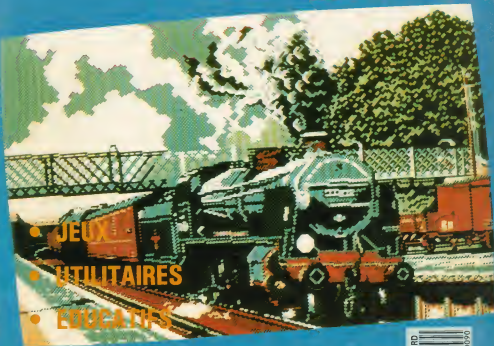


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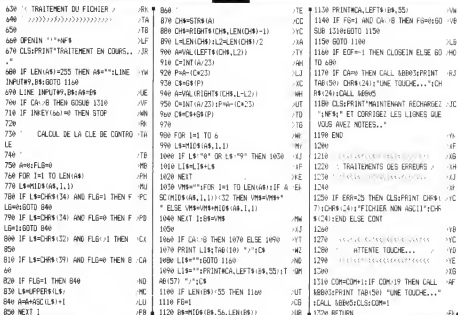


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ABONNEZ VOUS

TURBO-CLAVIER

Christian KEHREN

Visible pour
M CMC 464
M CMC 544
M CMC 628

Turbo-Clavier, présenté ici, a pour but de vous faciliter la saisie de tous vos listings BASIC Amstrad 464, 664 et 6128.

Vous tapez tous les ordres BASIC courant lettre par lettre ? Plus maintenant ! Après avoir saisi ce petit listing, toutes les touches du pavé numérique vous donneront les fonctions principales.

De plus, en combinant la touche CTRL (contrôle) avec certaines lettres, vous obtiendrez tous les ordres d'édition et d'entrée-sortie. Après son exécution, Turbo-Clavier s'efface de la mémoire, laissant toute la place nécessaire à votre programme.

D'après son auteur, son utilitaire a été testé par trois programmeurs pendant plus d'un an pour être le plus ergonomique possible.

Espérons que vous le trouverez pratique et efficace.



```
10 REM * UTILITAIRE CLAVIER *
20 MODE 2:9=26:P=1:IN: 1,8:IN: 0,P: :LM
BORDER P
30 CLS:LOCATE 20,1:PRINT CHR$(24):*
40 QUEL ECRAN VOLEZ-VOUS UTILISER :
  *CHR$(24):LOCATE 30,6:PRINT CHR$(2
4):* (N) *CHR$(24):* - NOIR
40 LOCATE 30,9:PRINT CHR$(24):* (B) *W
*CHR$(24):* - BLANC:LOCATE 30,12
:PRINT CHR$(24):* (O) *CHR$(24):*
- ORANGE:LOCATE 30,15:PRINT CHR$(2
4):* (V) *CHR$(24):* - VERT
50 LOCATE 30,18:PRINT CHR$(24):* (C) *F
J *CHR$(24):* - AUTRE COULEURS:LO
DATE 30,21:PRINT CHR$(24):* (RETURN
J *CHR$(24):* - FIN
60 CALL 88818:IF INKEY(46)<>-1 THEN :PC
BORDER 0:IN: 0,0:IN: 1,23:GOTO 60

70 IF INKEY(54)<>-1 THEN BORDER 3: :BD
IN: 0,13:IN: 1,0:GOTO 60
80 IF INKEY(55)<>-1 THEN BORDER 9:1: :ZH
N: 0,9:IN: 1,0:GOTO 60
90 IF INKEY(34)<>-1 THEN BORDER 15: :BH
IN: 0,15:IN: 1,0:GOTO 60
100 IF INKEY(62)<>-1 THEN 700
```

```
110 IF INKEY(18)<>-1 THEN SOUND 1,5 :AT
0,20:SOUND 1,150,20:SOUND 1,80,30:G
OTO 130
120 PRINT CHR$(7):GOTO 20
130 CLS:PRINT* ORDRES PROGRAMMES EN :NU
MAJUSCULE OU MINUSCULE : M:MAJUSCU
LE = MIN.: autre : *
140 CALL 88818:IF INKEY(38)<>-1 THEN :RD
N CLS:GOTO 420
150 CLS
160 KEY 135,"goto "
170 KEY 136,"gobu "
180 KEY 137,"return"
190 KEY 132,"for "
200 KEY 133,"to "
210 KEY 134,"next "
220 KEY 129,"if "
230 KEY 130,"then "
240 KEY 131,"else "
250 KEY 128,"step "
260 KEY 138,"chr$( "
270 KEY 139,"print "
280 KEY 140,"load"+CHR$(24)
290 KEY DEF 58,1,101,69,141:KEY 141 :LN
,"edit " : E
300 KEY DEF 36,1,106,76,142:KEY 142 :LG
,"list " : L
310 KEY DEF 69,1,97,65,143:KEY 143, :FD
"auto " : A
320 KEY DEF 62,1,99,67,144:KEY 144, :HF
"cls" : C
330 KEY DEF 50,1,114,82,145:KEY 145 :HE
,"run " : R
340 KEY DEF 35,1,105,73,146:KEY 146 :HM
,"call 88002"+CHR$(13)
350 KEY DEF 60,1,115,85,147:KEY 147 :UJ
,"save"+CHR$(30)
360 KEY DEF 61,1,100,68,148:KEY 148 :TF
,"cat"+CHR$(13)
370 KEY DEF 68,1,149,208,228:KEY 14 :NZ
9,"locate"
380 KEY DEF 9,1,160,206,207 :TZ
390 KEY DEF 38,1,109,77,150:KEY 150 :HR
,"mode "
400 PRINT SPC(3):CHR$(24):"TURBO-CL
AVIER - Version 2.3 - 1987 - KEHREN
CHRISTIAN *CHR$(24):* ... a votre
service " :PRINT
410 DELETE 10-
420 REM * MAJUSCULES *
430 KEY 125,"GOTO "
440 KEY 136,"GOSUB "
450 KEY 137,"RETURN"
460 KEY 132,"FOR "
470 KEY 133,"TO "
480 KEY 134,"NEXT"
490 KEY 129,"IF "
500 KEY 130,"THEN "
510 KEY 131,"ELSE "
```

```
520 KEY 128,"STEP "
530 KEY 138,"CHR$( "
540 KEY 139,"PRINT"
550 KEY 140,"LOAD"+CHR$(24)
560 KEY DEF 58,1,101,69,141:KEY 141 :JF
,"EDIT "
570 KEY DEF 36,1,106,76,142:KEY 142 :JJ
,"LIST "
580 KEY DEF 69,1,97,65,143:KEY 143, :HD
"auto "
590 KEY DEF 62,1,99,67,144:KEY 144, :FE
"CLS"
600 KEY DEF 50,1,114,82,145:KEY 145 :HH
,"RUN "
610 KEY DEF 35,1,105,73,146:KEY 146 :BG
,"CALL 88002"+CHR$(13)
620 KEY DEF 60,1,115,85,147:KEY 147 :TD
,"SAVE"+CHR$(24)
630 KEY DEF 61,1,100,68,148:KEY 148 :Rr
,"CAT"+CHR$(13)
640 KEY DEF 68,1,149,208,228:KEY 14 :LR
9,"LOCATE"
650 KEY DEF 9,1,160,206,207 :TZ
660 KEY DEF 38,1,109,77,150:KEY 150 :JL
,"MODE "
670 PRINT SPC(3):CHR$(24):"TURBO-CL
AVIER - Version 2.3 - 1987 - KEHREN
CHRISTIAN *CHR$(24):* ... a votre
service " :PRINT
680 DELETE 10-
690 END
700 * Autres couleurs *
710 CLS:LOCATE 30,6:PRINT CHR$(24):*
*CHR$(24):* "CHR$(24):* "CHR$(24):*
+CHR
R$(24):* "CHR$(24):* "CHR$(24):*
- STYLE"
720 LOCATE 30,10:PRINT CHR$(24):* *HX
CHR$(240):* "CHR$(24):* "CHR$(24):*
CHR$(24):* "CHR$(241):* "CHR$(24):* -
PAPIER"
730 LOCATE 30,14:PRINT CHR$(24):* R :FG
ETURN *CHR$(24):* - FIN"
740 LOCATE 25,20:PRINT "STYLE " :C :XL
HR$(24):S:CHR$(24):* - PAPIER : "
CHR$(24):P:CHR$(24)
750 CALL 88818
760 IF INKEY(18)<>-1 AND S<26 THEN S :NX
+5:1:IN: 1,5
770 IF INKEY(11)<>-1 AND S<0 THEN S :JY
9:1:IN: 1,5
780 IF INKEY(10)<>-1 AND P<26 THEN P :ZY
+P:1:IN: 0,P:BORDER P
790 IF INKEY(21)<>-1 AND P<0 THEN P :YX
P:1:IN: 0,P:BORDER P
800 IF INKEY(18)<>-1 THEN 30 : :XJ
810 LOCATE 25,20:PRINT "STYLE " :C :XJ
HR$(24):S:CHR$(24):* - PAPIER : "
CHR$(24):P:CHR$(24)
820 GOTO 750
```



TURBO CLAVIER

Pour CPC 6128 et 664

CLAVIER	SHIFT + COPY : damier graphique TAB : locate
CTRL + E : Edit CTRL + L : List CTRL + A : Auto CTRL + C : CIs CTRL + I : Init. couleurs CTRL + S : Save" CTRL + D : Dir (catalogue) CTRL + M : Mode CTRL + R : Run CTRL + ENTER : Load" CTRL + COPY : noirures graphiques CTRL + TAB : cœur graphique SHIFT + TAB : ligne graphique	PAVE NUMERIQUE
	. : chr\$(f0 : step f1 : if f2 : then f3 : else f4 : for f5 : to f6 : next f7 : goto f8 : gosub f9 : return

TABLEAU DES CARACTERES DE CONTROLE

PRINT CHR\$(1) ;			
CHR\$(code ASCII)			
0	□	20	␣
1	┌ A	21	× U
2	└ B	22	▯ V
3	└ C	23	└ W
4	÷ D	24	X X
5	▣ E	25	↓ Y
6	✓ F	26	♀ Z
7	⊕ G	27	⊖ [
8	← H	28	▢ \
9	→ I	29	▣]
10	↓ J	30	▣ ↑
11	↑ K	31	▣ —
12	↓ L	32	
13	↵ M	33	!
14	⊗ N	34	"
15	⊙ O	35	#
16	⊠ P	36	\$
17	⊡ Q	37	%
18	⊛ R	38	&
19	⊜ S	39	'

TURBO CLAVIER

Pour CPC 6128 et 664

CLAVIER	SHIFT + COPY : damier graphique TAB : locate
CTRL + E : Edit CTRL + L : List CTRL + A : Auto CTRL + C : CIs CTRL + I : Init. couleurs CTRL + S : Save" CTRL + D : Dir (catalogue) CTRL + M : Mode CTRL + R : Run CTRL + ENTER : Load" CTRL + COPY : noirures graphiques CTRL + TAB : cœur graphique SHIFT + TAB : ligne graphique	PAVE NUMERIQUE
	. : chr\$(f0 : step f1 : if f2 : then f3 : else f4 : for f5 : to f6 : next f7 : goto f8 : gosub f9 : return

Voici enfin le tableau de référence sur les caractères de contrôle. En effet, certains listings peuvent contenir des signes bizarres qui vous sont inconnus. Reportez-vous à ce tableau qui sera valable dans tous les cas de figures.

Le listing Intruder contient trois de ces étranges signes : la flèche en haut et flèche en bas ainsi que le classique contrôle X.



THE INTRUDER

Xavier GROSSETETE

Au fin fond de l'univers, une nouvelle bataille... vous attend. Seul, face à une horde d'envahisseurs surgis de l'immensité intersidérale, vous assurez courageusement la défense de votre univers.



Du haut de l'écran apparaît le vaisseau mère - hors de portée - larguant successivement des vaisseaux rebelles qui, lentement, inexorablement, descendent vers vous. Votre tir doit être stratégique et vous devrez faire mouche à chaque fois pour arriver jusqu'au vaisseau mère. Ultime challenge à surmonter. D'une bonne présentation avec sa musique rythmée, ce jeu reste simple mais très difficile à tenir au niveau 3. A vos joysticks ou claviers ! Le premier listing (optionnel) vous donne la page de présentation et charge le jeu lui-même (deuxième listing à sauvegarder sous le nom d'INTRUDER). Attention aux datas de redéfinition de caractères, ainsi que la partie de routines en langage machine comprise entre les lignes 4380 à 4470. Je vous conseille vivement de sauvegarder votre travail avant de lancer celui-ci car, en cas d'erreur dans les datas, le plantage irrémédiable vous ferait perdre toutes vos heures de frappes.

LISTING 1

```
1 ***** >FA
2 * >FB
3 * LOADER INTRUDER * >FC
4 * >FD
5 * (c)BIGHEAD SOFTWARE * >FE
6 * >FF
7 ***** >FG
10 MODE 0:INK 0,0: BORDER 0:INK 1,15 >PE
11 INK 3,14: INK 4,25: INK 5,10: INK 6,7
12 INK 7,6: INK 8,20: INK 10,2: INK 9,26
11 EVERY 10,1: B0SUE 500 >GA
22 SYMBOL AFTER 32 >HN
21 SYMBOL 68,112,120,108,102,102,12 >FU
6,124
22 SYMBOL 69,112,96,120,120,96,124, >DT
126
23 SYMBOL 72,68,100,102,126,126,102 >EH
,102
24 SYMBOL 73,16,24,24,24,24,24 >ID
25 SYMBOL 78,66,102,118,126,102,102 >ET
,102
```

```
26 SYMBOL 82,120,100,100,120,104,10 >FZ
2,102
27 SYMBOL 84,126,126,24,24,24,12 >BY
28 SYMBOL 85,68,102,102,102,102,126 >ET
,124
40 SYMBOL 141,0,0,0,0,0,8,29 >ME
50 SYMBOL 142,0,0,0,0,0,0,128 >XC
60 SYMBOL 143,0,3,31,63,255,254,248 >EX
,240
70 SYMBOL 144,127,255,255,254,128,1 >JH
28,96,31
80 SYMBOL 145,224,240,252,126,62,14 >HL
,31,231
90 SYMBOL 146,240,255,255,255,72,35 >GZ
,61,66
100 SYMBOL 147,0,0,255,255,63,142,6 >FH
4,127
110 SYMBOL 148,15,255,254,253,225,1 >KC
5,121,146
111 SYMBOL 149,64,96,80,40,20,55,52 >DP
,23
112 SYMBOL 150,0,0,0,0,3,254,3,254 >AE
113 SYMBOL 151,0,0,0,0,128,96,248,1 >BY
4
114 SYMBOL 152,48,48,57,79,244,6 >VB
```

```
115 SYMBOL 153,0,1,255,224 >TZ
116 SYMBOL 154,254,252,240,64,224 >ZH
120 A$="" >CHH(141)+CHH(142)+CHH(143)+CHH(144)+CHH(145)+CHH(146)+CHH(147)+CHH(148) >YF
121 N$="" >CHH(149)+CHH(150)+CHH(151)+CHH(152)+CHH(153)+CHH(154) >YF
130 FOR ETOILE=1 TO 100 >GF
140 X=INT(RND*640) >NF
150 Y=INT(RND*400) >NB
160 PLOT X,Y,INT(RND*15)+1 >VH
170 NEXT >ED
180 FOR T=1 TO 5: MOVE 30,T: DRAW 610 >LE
,T,1: NEXT
190 FOR T=6 TO 20: MOVE 30,T: DRAW 61 >MI
0,T,2: NEXT
200 FOR T=20 TO 22: MOVE 30,T: DRAW 6 >MF
10,T,9: NEXT
210 FOR T=1 TO 8: MOVE T,26: DRAW T,3 >MF
74,1: NEXT
220 FOR T=8 TO 20: MOVE T,26: DRAW T, >MH
374,2: NEXT
230 FOR T=20 TO 22: MOVE T,26: DRAW T, >NB
374,9: NEXT
240 FOR T=610 TO 620: MOVE T,26: DRAW >OC
T,374,9: NEXT
250 FOR T=620 TO 632: MOVE T,26: DRAW >OU
T,374,2: NEXT
260 FOR T=632 TO 636: MOVE T,26: DRAW >RY
T,374,10: NEXT
270 FOR T=394 TO 400: MOVE 30,T: DRAW >RE
610,T,10: NEXT
280 FOR T=382 TO 392: MOVE 30,T: DRAW >RT
610,T,2: NEXT
290 FOR T=378 TO 380: MOVE 30,T: DRAW >QD
610,T,9: NEXT
300 X=20: FOR T=1 TO 22: MOVE T,X: DR >AT
W T,20,10: X=X+1: NEXT
310 X=380: FOR T=1 TO 22: MOVE T,X: DR >QD
AW T,380,10: X=X+1: NEXT
320 X=380: FOR T=618 TO 636: MOVE T,3 >HB
80: DRAW 618,X,10: X=X+1: NEXT
330 X=1: FOR T=618 TO 636: MOVE T,20: >CY
DRAW T,X,10: X=X+1: NEXT
340 R=300 >CC
341 X=0: Y=0: DR16IN 0,0,30,640,30,40 >CK
0
342 Z=R*2: FOR O=0 TO R STEP 4: O1=60 >HA
R(2-(O*2)): PLOT X+O,Y+O1,2: DRAW X+O
,Y-O1,6: NEXT
343 FOR A=0 TO 200 STEP 10 >RE
344 PLOT INT(RND*300),INT(RND*300), >EB
0
345 NEXT >EN
```



```

380 PRINT CHR$(22)+CHR$(1) >UN LOT XPOS=color,y,10
390 PEN 9 >BO 220 NEXT >BK
400 LOCATE 2,9:PRINT A# >RN 230 PRINT CHR$(22)+CHR$(1) >UF
410 LOCATE 3,16:PRINT A# >TG 240 PEN 13:LOCATE 1,22:PRINT STRING >UN
420 LOCATE 4,21:PRINT A# >TE 1(20,CHR$(214))
430 LOCATE 5,13:PRINT USING" %":A# >BA 250 PEN 2:LOCATE 1,22:PRINT STRING >TT
440 LOCATE 10,5:PRINT USING" %":NA# >BJ (20,CHR$(215))

450 PEN 10:LOCATE 12,8:PRINT "THE": >MH 260 LOCATE 1,25:FOR I=248 TO 253:PR >MO
PEN 12:LOCATE 10,10:PRINT "INTRUDER >MH INT CHR$(1):NEXT I:PEN 9:PAPER 0
" >M 270 PEN 6:LOCATE 13,25:PRINT USING" >MN
%": "INTRUDER": >M 1(1) "INTRUDER": >M
280 LOCATE 1,1 >PB
290 PRINT CHR$(22)+CHR$(0) >PL
300 INK 1,6:INK 2,11:INK 3,3:INK 4, >UG
15:INK 5,18:INK 6,11:INK 7,22:INK 8 >UG
,26:INK 9,26,0:INK 10,0,26:INK 13,2 >UG
:INK 14,26:INK 11,26:INK 15,0 >UG
310 LOCATE 1,1 >PA
320 GOSUB 4420 >PS
330 X=300 >CH
340 C=B >ZF
350 X1=B >XJ
360 B=0 >MC
370 C=-5 >VC
380 P=B/2999 >BE
390 GOTO 720 >ZH
400 ***** >RE
410 * REDEFINITION CARAC.* >RF
420 ***** >RG
430 SYMBOL 236,1,1,15,15,1,1,1,1 >YF
440 SYMBOL 237,128,128,240,240,128, >MD
128,128,128
450 SYMBOL 238,7,8,16,32,64,255,128 >ET
,255
460 SYMBOL 239,224,16,8,6,2,255,1,2 >DE
55
470 SYMBOL 240,0,24,60,189,255,255, >HE
153,129
480 SYMBOL 241,0,0,0,63,64,64,63 >VV
490 SYMBOL 242,0,126,129,126,0,0,25 >FJ
5,255
500 SYMBOL 243,0,0,0,252,2,2,252 >YX
510 SYMBOL 248,240,144,128,240,16,1 >KZ
6,144,240
520 SYMBOL 249,0,0,240,144,128,128, >HK
144,240
530 SYMBOL 250,0,0,240,144,144,144, >HY
144,240
540 SYMBOL 251,0,0,160,208,208,128, >HN
128,128
550 SYMBOL 252,0,0,240,144,240,128, >HD
128,240
560 SYMBOL 253,0,0,240,0,0,240 >MT
570 SYMBOL 150,7,61F,63F,67F,75 >KZ
5,255,255
580 SYMBOL 151,6E0,6F8,6FC,6FE,6FE, >HN
255,255,255
590 SYMBOL 152,255,255,6CF,64F,663, >LU
633,61F,67 >
600 SYMBOL 153,255,255,255,254,254, >MU
6FC,6F8,6E0
610 SYMBOL 48,24,36,36,0,36,36,24 >ZK
620 SYMBOL 49,0,4,4,0,4,4 >TK
630 SYMBOL 50,24,4,4,24,32,32,24 >YM
640 SYMBOL 51,24,4,4,24,4,4,24 >MG
650 SYMBOL 52,0,36,36,24,4,4 >VB
660 SYMBOL 53,24,32,32,24,4,4,24 >YU
670 SYMBOL 54,24,32,32,24,36,36,24 >VR
680 SYMBOL 55,24,4,4,0,4,4 >TA
690 SYMBOL 56,24,36,36,24,36,36,24 >AE
700 SYMBOL 57,24,36,36,24,4,4,24 >YB
710 RETURN >ZD
720 ***** >RY
730 ***** >TA
740 ***** >TB
750 IF INKEY(1)=0 AND X=-2 TH >MS
EN X=-16:PAPA=2
760 IF INKEY(1)=0 AND X=603 T >YD
HEN X=-16:PAPA=2
770 TAG >UC
780 PLOT -10,-10,6:MOVE X=32,40:PR >YF
NT " %":CHR$(240):" %"
790 IF INKEY(1)=0 THEN GOSUB >GG
1520
800 PLOT RND*638,350,9:IF RND*0.5 >DD
THEN color=4:PLOT XPOS=color,350,10
ELSE color=-4:PLOT XPOS=color,350,
10
810 FOR I=62960 TO 63000 STEP 2: >GG
EEK(1):IF I=0 THEN GOSUB 1120
820 NEXT >EF
830 IF INKEY(1)=0 THEN TAGOFF:PEN >FP
5:LOCATE 13,25:PRINT USING" %": "PAUS
E %":CALL 8800:CALL 8800:CALL 8
8800:PEN 6:LOCATE 13,25:PRINT USING
" %": "INTRUDER":TAG
840 CALL 87000 >HK
850 IF INKEY(1)=0 AND X=-2 TH >MH
EN X=-16:PAPA=2
860 IF INKEY(1)=0 AND X=603 T >YE
HEN X=-16:PAPA=2
870 PLOT -10,-10,6:MOVE X=32,40:PR >YF
NT " %":CHR$(240):" %"
880 IF INKEY(1)=0 THEN GOSUB >GG
1520
890 FOR I=63000 TO 63038 STEP 2: >BH
EEK(1):IF I=0 THEN GOSUB 1120
900 NEXT >EE
910 IF I=2 THEN CALL 87000 >TC
920 IF I=3 THEN CALL 87000:CALL 870 >CD
00
930 X=X1+CX >HD
940 B=B+1 >CD
950 C=C+1 >DS

```

LISTING 2

```

10 ***** >LA
20 * >LB
30 * THE INTRUDER >LC
40 * >LD
50 * (c) BIGHEAD >LE
60 * SOFTWARE >LF
70 * 1987 >LG
80 * >LH
90 ***** >LJ
100 TAGOFF:PRINT CHR$(23)+CHR$(0) >BB
110 MODE 0 >BK
120 T1$="I"+CHR$(242):T2$=CHR$(243) >UD
+"X":F$="SPACE"
130 GOTO 1630 >FB
140 INK 0,0:BORDER 0 >MA
150 MODE 0:SPEED INK 50,50 >TY
160 FOR I=1 TO 15:INK 1,0:NEXT I >YM
170 GOSUB 400 >HB
180 ***** >RK
190 * DECORS >TA
200 ***** >RC
210 FOR Y=0 TO 350 STEP 5:PLOT RND >JJ
+638,Y,9:IF RND*0.5 THEN color=4:P
LOT XPOS=color,y,10 ELSE color=-4:P

```



```

PLOT -10,-10,4:MOVE X1,380:PRINT /ZD R -16,0:DRAW 0,2,5:DRAW -2,0,5:DR
* * CHR$(241):CHR$(242):CHR$(243) AWR 0,-16,5:PLOT 4,0,3:PLOT 16,0,
I " " 3:MOVE -4,4 ELSE GOTO 1310
970 IF SC=1000 THEN TAGOFF:PEN 1:L D /J 1300 DRAW 0,14,1:MOVE -4,0:DRAW /M
13,25:PLOT USING "I" "BONUS:I" 0,-16,1:MOVE -4,2:DRAW 0,14,1:PLO
* :FOR bonus=SC TO SC+490 STEP 10:L TR 0,-4,11:PLOT 8,0,11:PLOT -4,-6
LOCATE 7,25:PEN 5:PRINT bonus:SOUND 3,PLOT 0,-4,11:RETURN
1,60,2,7:NEXT I:SC=bonus+LOCATE 13,25 1310 IF RND>0.33 THEN DRAW 8,0,7:M
:PEN 6:PRINT USING "I" "INTRUDER":I:T XG
AG OVER 4,-2:DRAW -16,0,7:PLOT -2,0,
990 IF SC=2000 DR SC=3000 OR SC=400 /F 7:PLOT 16,0,7:MOVE 0,-2:DRAW 4,0
0 THEN FIN=1 6:DRAW 0,-16,6:PLOT -4,14,6:MOVE
FIN=0 R -16,0:DRAW 0,2,6:DRAW -2,0,6:DR
990 IF SC=2150 DR SC=4150 THEN /EH AWR 0,-16,6:PLOT 4,0,3:PLOT 16,0,
3:MOVE -4,4 ELSE GOTO 1330
1000 IF SC=3150 THEN FIN=4 /T 1320 DRAW 0,14,1:MOVE -4,0:DRAW /M
1010 IF SC=4500 THEN GOTO 4480 XG 0,-16,1:MOVE -4,2:DRAW 0,14,1:PLO
1020 TAGOFF:PEN 5:LOCATE 7,25:PRINT /M TR 0,-4,11:PLOT 8,0,11:PLOT -4,-6
SC:TAG 3,PLOT 0,-4,11:RETURN
1030 IF X1=0 OR X1=576 THEN CX=-CX /E 1330 PLOT 0,0,1:MOVE 4,0:DRAW 8, /E
1040 IF B1=0 THEN B0=GOSUB 1210 /F 7:PLOT 0,0,-2,7:MOVE 16,0:DRAW 0,
1050 IF C1=5 THEN C0=5-GOSUB 1220 /D 2,7:DRAW 8,0,7:PLOT 4,0,1:MOVE
1060 CALL 87000 /F -16,-2:DRAW 0,0,-4,0:MOVE -4,0:DR
1070 MOVE 0,76:DRAW 64,0,10 /U R 0,6,4:MOVE -4,-2:DRAW 0,0,-4,4:PL
1080 GOTO 750 /F 0TR 0,2,7:PLOT 8,0,7:PLOT -4,-4,2
1090 ***** /Y 1:PLOT -12,-2,1:PLOT 4,2,1:PLOT 4
1100 * * TEST ECRAN * /C -2,1
1110 ***** /F 1340 PLOT 8,0,1:PLOT 4,2,1:PLOT /TA
1120 IF PEEK(1)=5 OR PEEK(1)=10 DR /U 4,-2,1:RETURN
PEEK(1)=65 OR PEEK(1)=75 OR PEEK(1) 1350 TAGOFF
=130 DR PEEK(1)=125 THEN RETURN /B -1360 LOCATE 1,5:PRINT CHR$(150):"X
1130 ENV 1,30,0,1,1,127,-1,15:SOUND 1 /J I:CHR$(151)
29,0,240,15,1,0,10 /Q 1370 LOCATE 6,6:PRINT CHR$(150):"X" /F
1140 SPEED INK 1,1:INK 1,26,0:BORDE /Y I:CHR$(151)
R 26,0:INK 0,0,26 /U 1380 LOCATE 4,7:PRINT CHR$(150):"X" /M
1150 FOR I=1 TO 500:NEXT /P HE INTRUDER":CHR$(151)
1160 IF SQ(1)=132 THEN 1160 ELSE VI /B 1390 LOCATE 4,8:PRINT CHR$(152):"X" /BA
VIE=1 /C I:CHR$(153)
1170 IF VIE=0 THEN GOSUB 4710:GOTO /B 1400 LOCATE 5,9:PRINT CHR$(152):"X" /ZF
150 /C I:CHR$(153)
1180 WHILE INKEY=""**MEND:GOSUB 34 /F 1410 SC=SC+25:TAG=FIN=0:RETURN
90 /AC 1420 TAGOFF
1190 CALL 8806 /E 1430 PEN 4:LOCATE 3,5:PRINT CHR$(15 /KP
1200 CLS:GOSUB 3430:GOTO 1780 /M 0,1:LOCATE 4,6:PRINT CHR$(153)
1210 IF FIN=0 THEN MOVE (INT(RND*70) /E 1440 PEN 5:LOCATE 4,5:PRINT CHR$(15 /R
)44+10,300:GOTO 1290 1):LOCATE 3,6:PRINT CHR$(152)
1220 IF FIN=1 THEN MOVE (INT(RND*65) /AC 1450 PEN 5:LOCATE 15,6:PRINT CHR$(1
)44+346,300:GOTO 1290 50):LOCATE 16,7:PRINT CHR$(153)
1230 IF FIN=2 THEN RETURN /U 1460 PEN 4:LOCATE 16,6:PRINT CHR$(1 /MT
1240 IF FIN=1 THEN GOTO 1350 /V 51):LOCATE 15,7:PRINT CHR$(152)
1250 IF FIN=4 THEN GOTO 1420 /V 1470 PEN 7:LOCATE 8,7:PRINT CHR$(15 /LD
1260 ***** /B 0,LOCATE 9,8:PRINT CHR$(153)
1270 * * INTRUDERS * /Y 1480 PEN 1:LOCATE 9,7:PRINT CHR$(15 /X
1280 ***** /C 1):LOCATE 8,8:PRINT CHR$(152)
1290 ***** /J 1490 SC=SC+25:TAG=FIN=0:RETURN
1300 IF RND>0.63 THEN DRAW 8,0,7:M /AJ 1500 *****
OVER 4,-2:DRAW -16,0,7:PLOT -2,0, /KJ 1510 * * TIR LASER *
7:PLOT 16,0,7:MOVE 0,-2:DRAW 4,0, /K 1520 *****
5:DRAW 0,-16,5:PLOT -4,14,5:MOVE /YA

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1820 PRINT #2,"3...REGLAGE DE LA 01 >MD
FFICULTE"
1830 PRINT #2 >MB
1840 PRINT #2,"4...MEILLEURS SCORES >FB
"
1850 PRINT#2 >MB
1860 PRINT#2,"5...JEU" >QT
1870 INK 1,0:INK 2,11:INK 3,6
1880 AS=INKEY$ >IB
1890 IF AS="1" THEN GOTO 1980 >VX
1900 IF AS="2" THEN GOTO 2770 >VM
1910 IF AS="3" THEN GOTO 2990 >VU
1920 IF AS="4" THEN GOTO 3200 >VE
1930 IF AS="5" THEN PRINT CHR$(22)+ >EJ
CHR$(01)+CHR$(23)+CHR$(01):VIE=3:SC=0
:GOTO 140
1940 GOTO 1880 >MJ
1950 "***** >YH
1960 " * REBLES * >YJ
1970 "***** >YK
1980 GOSUB 3410:GOSUB 4110 >MB
1990 DATA " REBLES DU JEU" >YB
2000 DATA " AU FIN FOND DE L'UNIVER >FX
S"
2010 DATA "UNE NOUVELLE BATAILLE >FD
"
2020 DATA "VOUS ATTEND... >CF
"
2030 DATA "FACE A DES NOUVEAUX >EP
"
2040 DATA "ENVAHISSEURS, PLUS Q'UNE >GM
"
2050 DATA "CHOSE A FAIRE : >CF
"
2060 DATA " VOUS DEFENDRE! >CR
"
2070 X=120:Y=330:PRINT CHR$(22)+CHR >LD
$(11):PRINT CHR$(23)+CHR$(11)
2080 RESTORE 1990:FOR I=1 TO 8:READ >GC
P$(I)
2090 TAG:PLOT -2,-2,1:MOVE X,Y:PRIN >LV
T P$(I);
2100 PLOT -2,-2,2:MOVE X+1,Y-1:PRIN >KE
T P$(I);
2110 Y=Y-20 >UK
2120 TAGOFF >AH
2130 NEXT >KH
2140 TAGOFF >AK
2150 RESTORE 2220 >LN
2160 READ A,B >EB
2170 IF A=1 THEN GOTO 2210 >TI
2180 SOUND 1,A,B,7:SOUND 2,A+4,B-2, >CC
5
2190 IF INKEY(147)=0 THEN FOR K=1 TO >TH
35:PRINT:NEXT:GOSUB 3430:GOTO 1780
2200 GOTO 2160 >MA
2210 FOR T=1 TO 1000:NEXT T:FOR K=1 >XK
TO 35:PRINT:NEXT:GOSUB 3430:GOTO 1
780
2220 DATA 478,50,319,50,358,13,379, >EJ
13,426,13,239,60,319,60,358,13,379,
13,426,13,239,60,319,60,358,13,379,
13,358,13,426,70,-1,0
2230 "***** >JK
2240 " * PRESENTATION CLAP * >YA
2250 "***** >YB
2260 INK 0,26:BORDER 26:INK 0,26:IN >AV
K 1,26:INK 2,26:INK 3,6:INK 11,0:IN
K 13,0:INK 12,26:INK 14,11
2270 GOSUB 3750 >XJ
2280 WINDOW#1,2,19,5,22 >XT
2290 PAPER#1,1,CLS#1 >PJ
2300 PAPER 0:PEN 1:LOCATE 2,22:PRIN >AH
T CHR$(24B):LOCATE 19,22:PRINT CHR
(247)
2310 PEN#1,0 >YE
2320 PRINT#1,"UNIVERSAL STUDIOS" >CH
2330 PRINT#1 >GE
2340 PRINT#1,"PRODUCTION " >FT
2350 PRINT#1,"DIRECTOR " >FT
2360 PRINT#1,"CAMERA " >GU
2370 PRINT#1 >GJ
2380 PRINT#1," DATE SCENE TAKE" >GS
2390 PRINT#1," " >HM
2400 PEN 1:PAPER 0 >LE
2410 FOR X=3 TO 17 STEP 4 >RE
2420 LOCATE X,4:PRINT CHR$(214)CHR$ >TJ
(143)CHR$(212)
2430 LOCATE X+1,3:PRINT CHR$(214)CH >VZ
R$(143)CHR$(212)
2440 NEXT >LB
2450 FOR X=4 TO 17 STEP 4 >XK
2460 LOCATE X,2:PRINT CHR$(213)CHR$ >TN
(143)CHR$(215)
2470 LOCATE X-1,1:PRINT CHR$(213)CH >VF
R$(143)CHR$(215)
2480 NEXT >LF
2490 TAG:PLOT -2,-2,1:MOVE 50,390:P >TB
RINT CHR$(231):MOVE 50,390:PRINT C
HR$(230):TAGOFF
2500 PLOT 30,60,1:DRAW 30,398:DRAW >EZ
607,398:DRAW 607,330:PLOT 30,367:DR
AW 607,367
2510 PRINT CHR$(22)+CHR$(1) >VE
2520 PEN 2 >FK
2530 LOCATE 12,7:PRINT"INTRUDER" >BO
2540 LOCATE 12,9:PRINT CHR$(164)*B >XD
16HEAD"
2550 LOCATE 13,11:PRINT"AMSTRAO" >BY
2560 PRINT CHR$(22)+CHR$(0) >VJ
2570 PRINT CHR$(23)+CHR$(1) >VM
2580 FOR I=0 TO 200 STEP 2:PLOT 1,4 >VQ
00-1,12:DRAW 600,400-1:PLOT 1,1+1:0
RAW 640,1+1:NEXT:PLOT 1,200:DRAW 64
0,200,12
2590 touche1=71: touche2=63: touche3= >MX
47:n=1
2600 DIM H$(20).n$(20) >OV
2610 RESTORE 2620:FOR I=1 TO 10:REA >YX
D H$(I),N$(I):NEXT
2620 DATA 4500,"O,VINCENT",4000,"SP >FX
OCK",3000,"MEMESIS",2500,"HERY",10
00,"COBRA",999,"MAB",950,"CRAD MAU",
900,"SKELETOR",850,"GRIZOR",500,"H
UTANTS"
2630 WHILE INKEY$:"":NEND >VT
2640 AS=INKEY$ >WG
2650 IF AS=CHR$(32) OR AS=CHR$(13) >OG
THEN RETURN ELSE GOTO 2640
2660 "***** >YG
2670 " * ECRITURE MODE 0/1 * >YH
2680 "***** >YJ
2690 POKE &1CB,0:POKE &1D0,633:RE >EF
TURN
2700 "***** >YB
2710 " * ECRITURE MODE 1/1 * >YC
2720 "***** >YD
2730 POKE &1CB,1:POKE &1D0,444:PO >YV
KE &1D1,422:POKE &1D2,411:RETURN
2740 "***** >YF
2750 " * CHOIX CLAVIER/JOYS. * >YG
2760 "***** >YH
2770 GOSUB 3410 >XS
2780 PRINT CHR$(22)+CHR$(1)+CHR$(23 >LQ
)+CHR$(1)
2790 DATA " * CLAVIER(1)...JOYSTICK >FY
1"
2800 RESTORE 2790:READ P$:TAG:PLOT >CR
-2,-2,1:MOVE 120,330:PRINT P$:PLOT
-2,-2,2:MOVE 121,329:PRINT P$:TAG
OFF
2810 PEN 3:LOCATE 6,6:PRINT T1$;T2$ >VB
1" *F$:LOCATE 22,5:PRINT CHR$(254)
+CHR$(251):LOCATE 22,6:PRINT CHR$(2
52)+CHR$(253)
2820 RESTORE 2950 >LO
2830 ENV 2,4,0,1,7,-1,1:ENV 3,24,-1 >GO
.25,0,5
2840 G=12 >BH
2850 FOR A=1 TO 16:READ C,0 >UM
2860 SOUND 1,C,12,15,2:SOUND 2+16,0 >LP
,12,6,3,0
2870 IF A="1" THEN G=12 ELSE G=15 >XA
2880 IF D=1 THEN ENV 3,3,0,1,-12, >AG
1
2890 IF D=31 OR D=8 THEN G=15 >VQ
2900 AS=INKEY$ >WF
2910 IF AS="1" THEN touche1=71:touc >XN
he2=63: touche3=47:CLS:GOSUB 3430:G
OTO 1780

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2920 IF A#="2" THEN touche1=74:touc >EB
he2=75:touche3=76:CLS:GOSUB 3430:GO
TO 1780
2930 NEXT >LF
2940 GOTO 2820 >NE
2950 DATA 638,1,638,1,319,1,319,1,6 >VI
38,31,638,1,319,1,319,1,638,1,638,1
,426,1,426,1,358,31,379,1,426,1,506
,1
2960 ***** >YK
2970 * REBL. DE LA DIFFI. * >ZA
2980 ***** >ZB
2990 GOSUB 3410 >YA
3000 PRINT CHR$(22)+CHR$(1)+CHR$(23 >LA
)+CHR$(1)
3010 DATA "REBLAGE DE LA DIFFICULTE >FK
"
3020 RESTORE 3010:READ P#;TAG:PLOT >CM
-2,-2,1:MOVE 120,330:PRINT P#;PLOT
-2,-2,2:MOVE 121,329:PRINT P#;TAG
OFF
3030 PEN 2:PRINT:PRINT: PRINT:PRINT >GA
"
" NIVEAU 1":PRINT"
" NIVEAU 2":PRINT"
" NIVE
AU 3"
3040 DATA * APPUYER SUR 1.2 OU 3 * >BP
3050 GOSUB 4110:RESTORE 3040:READ P >EM
#;TAG:PLOT -2,-2,1:MOVE 135,200:PR
INT P#;PLOT -2,-2,3:MOVE 136,199:FR
INT P#;TAGOFF
3060 RESTORE 3150 >LT
3070 FOR U=1 TO 32:READ V,W,X >MF
3080 ENV 5,4,0,1,0,-1,1 >PU
3090 SOUND 1,V,12,15,2: SOUND 10,0,1 >EX
2,0,3,,M:SOUND 36,X,12,14,5
3100 A#=INKEY$ >VJ
3110 IF A#="1" THEN N=1:CLS:GOSUB 3 >PY
430:GOTO 1780
3120 IF A#="2" THEN N=2:CLS:GOSUB 3 >PB
430:GOTO 1780
3130 IF A#="3" THEN N=3:CLS:GOSUB 3 >PE
430:GOTO 1780
3140 NEXT:GOTO 3060 >NR
3150 DATA 638,1,0,638,1,0,319,1,119 >JT
,319,1,0,638,31,106,638,1,0,319,1,1
19,319,1,0,638,1,127,638,1,0,426,1,
159,426,1,0,358,31,127,379,1,0,426,
1,159,506,1,0
3160 DATA 638,1,95,638,1,106,319,1, >NC
89,319,1,106,358,31,0,638,1,0,319,1
,0,319,1,0,638,1,0,638,1,0,426,1,0,
426,1,0,358,31,0,379,1,0,426,1,0,50
6,1,0
3170 ***** >YD
3180 * TOP 10 * >YE
3190 ***** >YF
3200 GOSUB 3410:PEN 2 >PM
3210 DATA >
3220 PRINT CHR$(22)+CHR$(1)+CHR$(23 >LE
)+CHR$(1)
3230 RESTORE 3210:READ P#;TAG:PLOT >NA
-2,-2,1:MOVE 120,330:PRINT P#;PLOT
-2,-2,2:MOVE 121,329:PRINT P#;
3240 GOSUB 4110:V=290 >NR
3250 FOR I=1 TO 10 >LE
3260 PLOT -2,-2,1:MOVE 200,Y:PRINT >NG
HI(1):MOVE 320,Y:PRINT NI#(1):
3270 PLOT -2,-2,2:MOVE 200,Y:PRINT >ML
HI(1):MOVE 320,Y:PRINT NI#(1):
3280 Y=Y+1 >NG
3290 NEXT:TAGOFF >NH
3300 RESTORE 3380 >LV
3310 ENV 1,1,15,1,1,-3,2,1,0,1,1,0, >ND
1,12,-1,4:ENV 2,1,15,1,1,0,1,1,0,1,
12,-1,8,2,-1,20
3320 FOR V=1 TO 46:IF V=32 THEN RES >KF
TORE 3380
3330 READ P,D:0=D+15 >NC
3340 SOUND 1,P,0,0,6:SOUND 2,P+2,0,5, >ND
2:SOUND 4,P/3,0,5,1
3350 IF INKEY(47)=0 THEN LOCATE 1,1 >KF
8:FOR T=1 TO 16:PRINT:NEXT:GOSUB 34
30:GOTO 1780
3360 NEXT >LB
3370 GOTO 3400 >NH
3380 DATA 476,4,358,3,358,1,358,4,3 >EL
19,4,284,3,284,1,284,6,358,2,319,2,
284,2,268,4,379,4,319,4,358,4,
3390 DATA 239,2,239,2,284,2,213,6,2 >RC
39,2,239,2,268,2,268,6,268,2,268,2,
319,2,239,6,268,2,268,2,284,2,384,4
3400 LOCATE 1,18:FOR T=1 TO 16:PRIN >HF
T:NEXT:GOSUB 3430:GOTO 1780
3410 WINDOW 5,35,4,19:CLS >UM
3420 RETURN >FC
3430 WINDOW #2,7,40,7,25:PAPER#2,1: >LE
PEN 3:LOCATE 14,1:PRINT"MENU"
3440 GOSUB 3750 >XJ
3450 RETURN >YF
3460 ***** >YF
3470 * CLASSE AU TOP 10? * >YB
3480 ***** >YH
3490 FOR I=1 TO 10 >LL
3500 IF C#<HI(I) THEN 3530 >TP
3510 NEXT >LA
3520 INK 0,26: BORDER 26:INK 1,0:INK >PU
2,11:INK 3,6:GOSUB 3750:GOTO 1640
3530 FOR J=10 TO 1 STEP -1 >RB
3540 HI(J)+1=HI(J):NB#(J)+1=NB#(J) >BE
3550 NEXT >LE
3560 HI(I)=MC >XJ
3570 MODE 1:PEN 2:INK 1,6:INK 2,11: >HG
3580 TAGOFF >BJ
3590 LOCATE 16,5:PRINT CHR$(150):"I >XT
I":CHR$(151):
3600 LOCATE 15,6:PRINT CHR$(150):"I >ZB
I":CHR$(151):
3610 LOCATE 13,7:PRINT CHR$(150):"I >HT
THE INTRUDER":CHR$(151):
3620 LOCATE 13,8:PRINT CHR$(152):"I >CF
I":CHR$(153):
3630 LOCATE 14,9:PRINT CHR$(152):"I >AC
I":CHR$(153):
3640 ENT 2,15,1,3 >DH
3650 LOCATE 1,12 >DH
3660 PAPER 0:PEN 3:PRINT" BRAVO, VO >RU
US ETES CLASSE DANS LE TOP 10"
3670 FOR MD=1 TO 26 STEP 0.5: BORDER >HQ
27-ND:INK 0,ND:INK 2,27-ND:INK 3,2
7-ND:FOR T=1 TO 40:NEXT T:SOUND 130
,0,5,15,0,0,ND:NEXT MD:INK 0,0:PEN
3 INK 2,11:INK 3,26:INK 1,6: BORDER
0
3680 PEN 1:PRINT:PRINT" ENTREEZ V >TZ
OTRE NOM":
3690 WHILE INKEY#(<0):**WEND >VA
3700 PEN 3:LINE INPUT B# >XJ
3710 MM(I)=LEFT$(B#,10):INK 0,26:B >TW
ORDER 26:INK 1,0:INK 2,11:INK 3,6:B
OSUB 3750:GOTO 1640
3720 ***** >YE
3730 * REDEF. CARAC. * >YF
3740 ***** >YB
3750 SYMBOL AFTER 32 >PA
3760 SYMBOL 250,7,61F,63F,67F,67F,2 >LV
95,255,255
3770 SYMBOL 249,ME0,MFB,MFC,MFE,MFE >PU
,255,255,255
3780 SYMBOL 248,255,255,MCF,647,663 >NM
,633,61F,67
3790 SYMBOL 247,255,255,255,254,254 >NE
,6FC,MFB,ME0
3800 SYMBOL 254,0,0,15,7,3,3,3,3 >YC
3810 SYMBOL 251,0,0,128,192,192,192 >JR
,192,192
3820 SYMBOL 252,3,3,3,3,15,31,31,31 >RH
3830 SYMBOL 253,192,192,192,128,254 >NK
,254,252,252
3840 SYMBOL 65,254,194,194,254,226, >HI
226,226
3850 SYMBOL 66,252,194,194,252,226, >HU
226,252
3860 SYMBOL 67,254,192,192,224,224 >HV
224,254
3870 SYMBOL 68,252,194,194,194,226, >HD
226,252
3880 SYMBOL 69,254,192,192,254,224, >HY

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224,254
3890 SYMBOL 70,254,192,192,254,224, >HM
224,224
3900 SYMBOL 71,254,192,192,198,226, >HT
226,252
3910 SYMBOL 72,194,194,194,254,226, >HM
226,226
3920 SYMBOL 73,24,24,24,24,28,28,28 >HB
226,226
3930 SYMBOL 74,6,6,6,6,230,230,124 >AN
3940 SYMBOL 75,70,196,200,240,232,2 >BN
28,226
3950 SYMBOL 76,192,192,192,192,224, >HX
224,253
3960 SYMBOL 77,198,234,210,194,226, >HX
226,226
3970 SYMBOL 78,194,226,210,202,230, >HE
226,226
3980 SYMBOL 79,124,194,194,194,226, >HD
226,124
3990 SYMBOL 80,254,194,194,254,224, >HU
224,224
4000 SYMBOL 81,124,194,194,194,234, >HC
228,122
4010 SYMBOL 82,254,194,194,254,232, >HU
228,226
4020 SYMBOL 83,124,194,192,124,2,22 >FM
6,124
4030 SYMBOL 84,254,48,48,48,56,56,5 >CM
6
4040 SYMBOL 85,194,194,194,194,226, >HZ
226,254
4050 SYMBOL 86,194,194,194,194,226, >GC
100,56
4060 SYMBOL 87,194,194,194,194,242, >HH
234,198
4070 SYMBOL 88,194,198,104,48,104,2 >BC
28,226
4080 SYMBOL 89,194,194,100,48,56,56 >EX
,56
4090 SYMBOL 90,254,2,4,24,48,224,25 >CM
4
4100 RETURN >EJ
4110 SYMBOL 65,124,254,198,198,254, >HE
254,198,198
4120 SYMBOL 66,248,198,198,254,254, >HU
198,198,248
4130 SYMBOL 67,126,254,192,192,192, >HM
192,254,126
4140 SYMBOL 68,248,252,198,198,198, >HY
198,252,248
4150 SYMBOL 69,254,254,192,240,192, >HQ
192,254,254
4160 SYMBOL 70,254,254,192,240,192, >HK
192,192,192
4170 SYMBOL 71,254,254,192,192,206, >HU
198,254,254
4180 SYMBOL 72,198,198,198,254,254, >HE
198,198,198
4190 SYMBOL 73,126,126,24,24,24,24, >HU
126,126
4200 SYMBOL 74,30,30,12,12,236,236, >HY
124,124
4210 SYMBOL 75,98,102,108,120,120,1 >LB
20,108,102
4220 SYMBOL 76,240,240,98,98,102,10 >LD
2,126,126
4230 SYMBOL 77,254,254,214,214,198, >HM
198,198,198
4240 SYMBOL 78,102,102,118,110,102, >LN
102,102,102
4250 SYMBOL 79,126,126,102,102,102, >MB
102,126,126
4260 SYMBOL 80,126,126,102,126,126, >JF
98,98,98
4270 SYMBOL 81,254,254,198,198,222, >HU
220,246,246
4280 SYMBOL 82,252,102,102,124,120, >LB
108,102,231
4290 SYMBOL 83,126,126,98,126,62,6, >HG
126,124
4300 SYMBOL 84,254,254,56,56,56,56, >GA
56,124
4310 SYMBOL 85,102,102,102,102,102, >LQ
102,126,126
4320 SYMBOL 86,102,102,102,102,102, >JA
102,60,24
4330 SYMBOL 87,238,238,238,254,254, >ML
238,238,198
4340 SYMBOL 88,102,126,24,24,24,24, >HU
126,102
4350 SYMBOL 89,102,102,36,24,24,24, >FF
60,60
4360 SYMBOL 90,126,126,6,12,24,48,1 >BF
26,126
4420 RETURN >FH
4380 * ***** >TH
4390 * ROUTINE LN * >YJ
4400 * CALL $7000 * >YA
4410 * ***** >YB
4420 DATA 195,9,112,1,80,5,237,184, >TN
201,33,63,246,17,63,254,205,3,112,3
3,63,238,17,63,246,205,3,112,33,63,
230,17,63,238,205,3,112,33,63,222,1
7,63,230,205,3,112,33,63,214,17,63,
222,205,3,112
4430 DATA 33,63,206,17,63,214,205,3 >TB
,112,33,63,198,17,63,206,205,3,112,
33,239,253,17,63,198,205,3,112,201,
0,0,0
4440 RESTORE 4420 >LX
4450 FOR I=67000 TO $7054:READ $I:PD >BH
KE 1,6
4460 NEXT >LF
4470 RETURN >FJ
4480 TAGOFF >BJ
4490 FOR I=1 TO 21:LOCATE 1,25:PRIN >ML
I":NEXT
4500 FOR I=21 TO 1 STEP -1:LOCATE 1 >UM
,1:PRINT":NEXT
4510 INK 0,0:GBORDER 0 >PU
4520 PEN 1 >GA
4530 $$(1)=$$BROW,VOUS AVEZ" >XT
4540 $$(2)=$$DETOUTI TOUS LES" >YV
4550 $$(3)=$$INTRUDERS"" >TZ
4560 M=1 >MF
4570 Y=6 >YD
4580 FOR T=1 TO 10 >LZ
4590 FOR I=1 TO LEN($$(M)) >TN
4600 PEN INT(RND*8)+1 >FM
4610 BORDER INT(RND*15) >RE
4620 LOCATE 2+I,Y >LL
4630 PRINT MID$(A$(M),I,1) >UV
4640 SOUND 1,50,4,7:SOUND 3,10,3,6: >GG
SOUND 2,5,2,5
4650 NEXT >LB
4660 M=M+1:Y=Y+1 >LN
4670 IF M=4 THEN M=1:Y=6 >RG
4680 NEXT T >XE
4690 BORDER 0 >JX
4700 GOTO 3490 >ME
4710 MODE 0:INK 1,2,4:INK 2,6:INK 0, >LM
0:GBORDER 0
4720 PLDT 50,100,1:DRAW 50,370:DRAW >TG
590,370:DRAW 590,100:DRAW 50,100:P
LDT 592,372,2:DRAW 592,98:DRAW 46,9
6:DRAW 46,372,4:DRAW 592,372
4730 PEN 8 >HA
4740 LOCATE 4,4:PRINT"IL VOUS RESTE >BD
:"
4750 PEN 7 >HB
4760 FOR I=8 TO 5+(VIE*2.5) STEP 2 >ZR
4770 LOCATE X,10:PRINT CHR$(240) >AL
4780 NEXT >MA
4790 IF VIE=2 THEN LOCATE 12,10:PRI >BT
NT CHR$(238)CHR$(239):LOCATE 12,9:P
RINT CHR$(236)CHR$(237)
4800 IF VIE=1 THEN LOCATE 6,10:PRIN >ED
T CHR$(240) * "CHR$(238)CHR$(239):"
*CHR$(238)CHR$(239):LOCATE 10,9:PR
INT CHR$(236)CHR$(237) * "CHR$(236)C
HR$(237)
4810 WHILE INKEY=""::NEXT >VV
4820 CALL $BB06 >UH
4830 RETURN >FJ
4840 * *** * >YJ
4850 * * * * >YK
4860 * * * * >ZA
4870 * * * * >ZB
4880 * * * * >ZC
4890 * * * * >ZD

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440 PLOT 220,183:DRAW# 10,5:PLOT# 0 >JD
-11:DRAW# -10,5:PLOT 320,183:DRAW#
-10,5:PLOT# 0,-11:DRAW# 10,5
450 PLOT 220,200:DRAW# 100,100 >JR
460 LOCATE 26,10:PRINT "a":LOCATE 3 >MG
4,14:PRINT "a":LOCATE 34,10:PRINT "
e"
470 fo1$=CHR$(24):fo2$="" :fo3$="" :f >HT
o4$=""
480 fo1= >YN
490 LOCATE #3,59,6:PRINT #3,fo1$:"A >XV
=a":CHR$(255):fo1$
500 LOCATE #3,59,10:PRINT #3,fo2$:" >NR
a= "A":fo2$
510 LOCATE #3,59,14:PRINT #3,fo3$:" >PK
e10 "2":fo3$
520 LOCATE #3,59,18:PRINT #3,fo4$:" >NA
u4$:"fo4$
530 ' radicaux >RJ
540 PLOT 480,255,1:DRAW# B,-14:DRAM >KT
R B,-14:DRAW# 16,0:PLOT 480,192:DRAM
R B,-14:DRAW# B,14:DRAW# 16,0
550 IF INKEY(18)=0 THEN 650 >UN
560 IF INKEY(47)=0 THEN 590 >JN
570 IF INKEY(9)=0 THEN CLS:RETURN >CS
580 GO TO 550 >ZK
590 fo=fo1:1IF fo:4 THEN fo=1 >XG
600 ON fo GOSUB 610,620,630,640:GOT >FL
D 490
610 fo1$=CHR$(24):fo2$="" :fo3$="" :f >RM
o4$="" :RETURN
620 fo2$=CHR$(24):fo1$="" :fo3$="" :f >RI
o4$="" :RETURN
630 fo3$=CHR$(24):fo1$="" :fo2$="" :f >RY
o4$="" :RETURN
640 fo4$=CHR$(24):fo1$="" :fo2$="" :f >RZ
o3$="" :RETURN
650 CALL $B803:CLS#1:ON fo GOSUB 66 >NY
0,690,750,720:CLS#1:GOSUB 4770:GOSU
B 4860:GOTO 470
660 tab1=2:tab2=2:GOSUB 4330 >WV
670 aire=ROUND((col:2,4):LOCATE #1,2 >TC
,6:PRINT#1,"L'aire est de ":PRINT
#1,aire$;" ce":CHR$(255);;" "
680 CALL $B806:RETURN >GB
690 tab1=2:tab2=2:GOSUB 4640 >WC
700 co=ROUND((SQR(aire),4):LOCATE #1 >YE
,2,6:PRINT#1,"La cote est de ":PRI
NT #1,col;" ce ."
710 CALL $B806:RETURN >QV
720 tab1=2:tab2=2:GOSUB 4330 >MR
730 per=ROUND((col:4):LOCATE #1,2,6 >JS
PRINT#1,"Le perimetre est":PRINT #1
," de ":per$;" ce ."
740 CALL $B806:RETURN >QY
750 tab1=2:tab2=2:GOSUB 4330 >WV
760 dia=ROUND((col:2):SQR(2),4):LOCATE >UJ
#1,2,6:PRINT#1,"La diagonale est":P
RINT #1," de ":dia$;" ce ."
770 CALL $B806:RETURN >TB
780 ' lossage >JF
790 MODE 2:GOSUB 4670:GOSUB 4860 >JH
800 PLOT 320,200,13:DRAW# -100,0:DR >RM
AW# 30,87:DRAW# 100,0:DRAW# -30,-87
810 PLOT 220,200:DRAW# 0,-17:DRAW# >JN
100,0:DRAW# 0,17
820 PLOT 220,200:DRAW# -13,4:DRAW# >VL
30,87:DRAW# 13,-4
830 PLOT 220,183:DRAW# 10,5:PLOT# 0 >JG
,-11:DRAW# -10,5:PLOT 320,183:DRAW#
-10,5:PLOT# 0,-11:DRAW# 10,5
840 PLOT 207,204:DRAW# -2,8:MOV# 2 >GH
,-8:DRAW# B,4:PLOT 237,29:1:DRAW# 2,
-8:MOV# -2,8:DRAW# -B,-4
850 PLOT 280,200:GOSUB 0,87:MOV# 0 >FH
,-79:DRAW# -B,0:DRAW# 0,-8
860 LOCATE 26,10:PRINT "a":LOCATE 3 >MJ
4,14:PRINT "a":LOCATE 36,10:PRINT "
b"
870 ORIGIN 220,200:DEG:PLOT 20,0:FD >HP
R a:0 TO 70 STEP 10:DRAW 20:COS(a:
),20:SIN(a:2):NEXT:ORIGIN 0,0
880 LOCATE 30,12:PRINT CHR$(176) >ZQ
890 fo1$=CHR$(24):fo2$="" :fo3$="" :f >MP
o4$="" :fo1=
900 LOCATE #3,59,6:PRINT #3,fo1$:"A >MR
a=a":fo1$
910 LOCATE #3,59,10:PRINT #3,fo2$:" >VC
A=a":CHR$(255);;"sin":CHR$(176):fo2$
920 LOCATE #3,59,14:PRINT #3,fo3$:" >PQ
a=a":fo3$
930 LOCATE #3,59,18:PRINT #3,fo4$:" >NF
u4$:"fo4$
940 IF INKEY(18)=0 THEN 1040 >VJ
950 IF INKEY(47)=0 THEN 980 >JG
960 IF INKEY(9)=0 THEN CLS:RETURN >CK
970 GOTO 940 >AF
980 fo=fo1:1IF fo:4 THEN fo=1 >XK
990 ON fo GOSUB 1000,1010,1020,1030 >JG
:GOTO 900
1000 fo1$=CHR$(24):fo2$="" :fo3$="" :f >TK
fo4$="" :RETURN
1010 fo2$=CHR$(24):fo1$="" :fo3$="" :f >TL
fo4$="" :RETURN
1020 fo3$=CHR$(24):fo1$="" :fo2$="" :f >TM
fo4$="" :RETURN
1030 fo4$=CHR$(24):fo1$="" :fo2$="" :f >TN
fo3$="" :RETURN
1040 CALL $B803:CLS#1:ON fo GOSUB 1 >VL
050,1100,1170,1140:CLS#1:GOSUB 4770
:GOSUB 4860:GOTO 870
1050 tab1=2:tab2=2:GOSUB 4330 >XL
1060 tab1=2:tab2=2:GOSUB 4640 >XY
1070 IF haut:col THEN LOCATE #1,1 >HM
:PRINT#1,CHR$(7):GOSUB 4460
1080 aire=ROUND((col:haut,4):LOCATE # >ZR
1,2,10:PRINT#1,"L'aire est de ":PR
INT #1,aire$;" ce":CHR$(255);;" "
1090 CALL $B806:RETURN >RM
1100 tab1=2:tab2=2:GOSUB 4330 >XG
1110 tab1=2:tab2=2:GOSUB 4640 >JF
1120 aire=ROUND((col:2):SIN(angl),4): >NR
LOCATE #1,2,10:PRINT#1,"L'aire est
de ":PRINT #1,aire$;" ce":CHR$(255)
;" ."
1130 CALL $B806:RETURN >RG
1140 tab1=2:tab2=2:GOSUB 4330 >XL
1150 per=ROUND((col:4):LOCATE #1,2,6 >JU
:PRINT#1,"Le perimetre est":PRINT #
1," de ":per$;" ce ."
1160 CALL $B806:RETURN >RK
1170 tab1=2:tab2=2:GOSUB 4640 >JU
1180 tab1=2:tab2=2:GOSUB 4640 >JB
1190 IF haut:SQR(aire) THEN LOCATE >QJ
#1,1,1:PRINT#1,CHR$(7):GOTO 1180
1200 co=ROUND((aire:haut,4):LOCATE # >EM
1,2,10:PRINT#1,"La cote est de ":P
RINT #1,col;" ce ."
1210 CALL $B806:RETURN >RF
1220 ' rectangle >XH
1230 MODE 2:GOSUB 4670:GOSUB 4860 >XK
1240 PLOT 420,200,13:DRAW# -200,0 >JF
DRAW# 0,100:DRAW# 200,0:DRAW# 0,-100
1250 PLOT 220,200:DRAW# -17,0:DRAW# >VN
0,100:DRAW# 17,0
1260 PLOT 203,200:DRAW# -5,10:PLOT# >PE
11,0:DRAW# -5,-10:PLOT 203,200:ORA
WR -5,-10:PLOT# 11,0:DRAW# -5,10
1270 PLOT 220,200:DRAW# 0,-17:DRAW# >VR
200,0:DRAW# 0,17
1280 PLOT 220,183:DRAW# 10,5:PLOT# >LR
0,-11:DRAW# -10,5:PLOT 320,183:DRAM
R -10,5:PLOT# 0,-11:DRAW# 10,5
1290 PLOT 220,200:DRAW# 200,100 >XD
1300 LOCATE 26,10:PRINT "a":LOCATE >WJ
40,14:PRINT "a":LOCATE 40,9:PRINT "
e"
1310 fo1$=CHR$(24):fo2$="" :fo3$="" >WY
1320 fo1= >JH
1330 LOCATE #3,59,8:PRINT #3,fo1$:" >PA
A=a":fo1$
1340 LOCATE #3,59,13:PRINT #3,fo2$ >WA
"= a":CHR$(255);;"b":CHR$(255);fo
2$
1350 LOCATE #3,59,18:PRINT #3,fo3$ >TB
"u=a":2b":fo3$
1360 ' radicaux >YC
1370 PLOT 480,208:DRAW# B,-14:DRAW# >UA

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B,14:DRAWR 50,0
1380 IF INKEY(18)=0 THEN 1470
1390 IF INKEY(47)=0 THEN 1420
1400 IF INKEY(9)=0 THEN CLS:RETURN
1410 GOTO 1380
1420 fo=fo+1:IF fo>3 THEN fo=1
1430 ON fo GOSUB 1440,1450,1460:GOTO 1430
1440 fo1=CHR$(24):fo2="" :fo3="" :JB
RETURN
1450 fo2=CHR$(24):fo1="" :fo3="" :JH
RETURN
1460 fo3=CHR$(24):fo1="" :fo2="" :JJ
RETURN
1470 CALL BB06:CLS#1:ON fo GOSUB 1
480,1520,1560:CLS#1:GOSUB 4770:GOSU
B BB06:GOTO 1310
1480 tab1=2:tab2=2:GOSUB 4330
1490 tab1=2:tab2=6:GOSUB 4360
1500 aire=ROUND(ICOL*CO2,4):LOCATE 4
1,2,B:PRINT#1,"L'aire est de z":PRI
NT #1,aire;" cm²:CHR$(255):"
1510 CALL BB06:RETURN
1520 tab1=2:tab2=2:GOSUB 4330
1530 tab1=2:tab2=6:GOSUB 4360
1540 dia=ROUND(ISQR(ICOL*2+CO2*2),4):J
LOCATE #1,2,10:PRINT#1,"La diagonal
e est:PRINT #1," de z'diaj:" ca
"
1550 CALL BB06:RETURN
1560 tab1=2:tab2=2:GOSUB 4330
1570 tab1=2:tab2=6:GOSUB 4360
1580 per=ROUND(ICOL*2+CO2*2,4):LOCAT
E #1,2,10:PRINT#1,"Le perimetre est
:PRINT #1," de z:peri:" ca
"
1590 CALL BB06:RETURN
1600 ' PARALLELOGRAMME
1610 MODE 2:GOSUB 4670:GOSUB 4860
1620 PLOT 370,200,13:DRAWR -150,0:D
RAWR 30,87:DRAWR 150,0:DRAWR -30,-B
7
1630 PLOT 220,200:DRAWR 0,-17:DRAWR /VM
150,0:DRAWR 0,17
1640 PLOT 220,200:DRAWR -13,4:DRAWR /MH
30,87:DRAWR 13,-4
1650 PLOT 220,183:DRAWR 10,5:PLOT R
-10,5:PLOT 0,-11:DRAWR 10,5
1660 PLOT 207,204:DRAWR -2,B:MOVE
R 2,-B:DRAWR 8,4:PLOT 237,291:DRAWR 2
,-B:MOVE -2,B:DRAWR -B,-4
1670 PLOT 320,200:DRAWR 0,B:MOVE
R 0,-79:DRAWR -B,0:DRAWR 0,-B
1680 LOCATE 28,10:PRINT "b":LOCATE
38,14:PRINT "a":LOCATE 39,12:PRINT
"n"
1690 DR16IN 220,200:DEB:PLOT 20,0:F
JF
DR a2=0 TO 70 STEP 10:DRAW 20+COS(a
1),20+SIN(a2):NEXT a2:ORIGIN 0,0
1700 LOCATE 30,12:PRINT CHR$(176):P
LOT 220,200:DRAWR 180,87:MOVE -150
,0:DRAWR 120,-87:LOCATE 34,9:PRINT
"e2":LOCATE 45,9:PRINT "e1"
1710 fo1=CHR$(24):fo2="" :fo3="" :FZ
fo4="" :fo1
1720 LOCATE #3,59,6:PRINT #3,fo1;"
A=a.h":fo1
1730 LOCATE #3,59,10:PRINT #3,fo2;"
A=a.b.sin":CHR$(176):fo2
1740 LOCATE #3,59,14:PRINT #3,fo3;"
e1=" a.h.cos":CHR$(176):fo3
255):"a.h":CHR$(255):fo3
1750 LOCATE #3,59,18:PRINT #3,fo4;"
e2=" a.h.cos":CHR$(176):fo4
255):"a.h":CHR$(255):fo4
1760 ' radicaux
1770 PLOT 488,128,1:DRAWR B,-14:DA
RAWR B,14:DRAWR 120,0:PLOT 488,192:DR
AWR B,-14:DRAWR B,14:DRAWR 120,0
1780 IF INKEY(18)=0 THEN 1880
1790 IF INKEY(47)=0 THEN 1820
1800 IF INKEY(9)=0 THEN CLS:RETURN
1810 GOTO 1780
1820 fo=fo+1:IF fo>4 THEN fo=1
1830 ON fo GOSUB 1840,1850,1860,187
0:GOTO 1720
1840 fo1=CHR$(24):fo2="" :fo3="" :TY
fo4="" :RETURN
1850 fo2=CHR$(24):fo1="" :fo3="" :TZ
fo4="" :RETURN
1860 fo3=CHR$(24):fo1="" :fo2="" :TA
fo4="" :RETURN
1870 fo4=CHR$(24):fo1="" :fo2="" :TB
fo3="" :RETURN
1880 CALL BB06:CLS#1:ON fo GOSUB 1
890,1930,1980,2030:CLS#1:GOSUB 4770
:GOSUB BB06:GOTO 1710
1890 tab1=2:tab2=2:GOSUB 4330
1900 tab1=2:tab2=6:GOSUB 4460
1910 aire=ROUND(ICOL*HAUT,4):LOCATE
#1,2,10:PRINT#1,"L'aire est de z:P
RINT #1,aire;" cm²:CHR$(255):"
1920 CALL BB06:RETURN
1930 tab1=2:tab2=2:GOSUB 4330
1940 tab1=2:tab2=6:GOSUB 4360
1950 tab1=2:tab2=10:GOSUB 4420
1960 aire=ROUND(ICOL*CO2*SIN(ang1),4
):LOCATE #1,2,14:PRINT#1,"L'aire es
t de z:PRINT #1,aire;" cm²:CHR$(25
5):"
1970 CALL BB06:RETURN
1980 tab1=2:tab2=2:GOSUB 4330
1990 tab1=2:tab2=6:GOSUB 4460
2000 tab1=2:tab2=10:GOSUB 4420
2010 dia=ROUND(ISQR(ICOL*HAUT+1/ITAN
(ang1)))"2*HAUT":2,4):LOCATE #1,2,1
2:PRINT#1,"La diagonale el est:PRI
NT #1," de z'diaj:" ca
"
2020 CALL BB06:RETURN
2030 tab1=2:tab2=2:GOSUB 4330
2040 tab1=2:tab2=6:GOSUB 4460
2050 tab1=2:tab2=10:GOSUB 4420
2060 dia=ROUND(ISQR(ICOL*HAUT+1/ITAN
(ang1)))"2*HAUT":2,4):LOCATE #1,2,1
2:PRINT#1,"La diagonale e2 est:PRI
NT #1," de z'diaj:" ca
"
2070 CALL BB06:RETURN
2080 ' triangle
2090 MODE 2:GOSUB 4670:GOSUB 4860
2100 PLOT 320,200,13:DRAWR -100,0:D
RAWR 60,87:DRAWR 40,-87
2110 PLOT 220,200:DRAWR 0,-17:DRAWR
100,0:DRAWR 0,17
2120 PLOT 220,183:DRAWR 10,5:PLOT R
-10,5:PLOT 0,-11:DRAWR 10,5
2130 PLOT 320,200:DRAWR 14,8:DRAWR
-40,87:DRAWR -14,-8
2140 PLOT 334,208:DRAWR 0,B:MOVE
R -10,5:PLOT 0,-11:DRAWR 10,5
2150 PLOT 320,200:DRAWR 14,8:DRAWR
-40,87:DRAWR -14,-8
2160 PLOT 334,208:DRAWR 0,B:MOVE
R -10,5:PLOT 0,-11:DRAWR 10,5
2170 PLOT 320,200:DRAWR 14,8:DRAWR
-40,87:DRAWR -14,-8
2180 OEB:PLOT 312,218:FOR f=180 TO
250 STEP 10:DRAWR 4+COS(f),4+SIN(f)
:NEXT
2190 PLOT 220,200:DRAWR 0,87:DRAWR
60,0:MOVE -60,0:DRAWR -5,-5:PLOT
10,0:DRAWR -5,-5:MOVE 0,-82:DRAWR 5
,-5:PLOT -10,0:DRAWR 5,-5
2170 LOCATE 28,10:PRINT "h":LOCATE 3
8,14:PRINT "a":LOCATE 40,10:PRINT "b
":LOCATE 37,12:PRINT CHR$(177):"
2190 fo1=CHR$(24):fo2="" :fo1
2180 LOCATE #3,59,6:PRINT #3,fo1;"
A=a.h/2":fo1
2200 LOCATE #3,59,14:PRINT #3,fo2;"
h=b.sin":CHR$(177):fo2
2210 IF INKEY(18)=0 THEN 2250
2220 IF INKEY(47)=0 THEN 2250
2230 IF INKEY(9)=0 THEN CLS:RETURN
2240 GOTO 2210
2250 fo=fo+1:IF fo>2 THEN fo=1
2260 ON fo GOSUB 2270,2280:GOTO 219
0:CH
2270 fo1=CHR$(24):fo2="" :fo3="" :TH
fo4="" :RETURN
2280 fo2=CHR$(24):fo1="" :fo3="" :TX
fo4="" :RETURN
2290 CALL BB06:CLS#1:ON fo GOSUB 2
300,2340:CLS#1:GOSUB 4770:GOSUB 486
0:GOTO 2180
2300 tab1=2:tab2=2:GOSUB 4330

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2310 tab1=2:tab2=8:GOSUB 4460 >XX
2320 aire=ROUND((col*haut)/2,4):LOC >XK
ATE #1,2,10:PRINT#1,"L'aire est de
:":PRINT #1,aire;" cm";CHR$(255);"
"
2330 CALL 8800:RETURN >RK
2340 tab1=2:tab2=2:GOSUB 4360 >XT
2350 tab1=2:tab2=8:GOSUB 4460 >XZ
2360 haut=ROUND((col+col2)/2:1/2*haut, >YM
DATE #1,2,10:PRINT#1,"La hauteur es
t de :":PRINT #1,haut;" cm."
2370 CALL 8800:RETURN >RP
2380 "TRAPEZE >YF
2390 MODE 2:GOSUB 4670:GOSUB 4860:P >MJ
LOT 400,200,13:DRAW -150,0:DRAW 2
0,80:DRAW 80,0:DRAW 50,-80
2400 PLOT 400,200:DRAW 0,-15:DRAW >XD
-10,4:MOVE 0,-8:DRAW 10,4:DRAW
-150,0:DRAW 10,4:MOVE 0,-8:DRAW
-10,4:DRAW 0,15
2410 PLOT 10,40:DRAW 115,0:DRAW >ZF
-10,4:MOVE 0,-8:DRAW 10,4:MOVE
-115,0:DRAW 10,4:MOVE 0,-8:DRAW
-10,4
2420 PLOT 350,280:DRAW 0,15:DRAW >XJ
-10,4:MOVE 0,-8:DRAW 10,4:DRAW
-80,0:DRAW 10,4:MOVE 0,-8:DRAW -1
0,4:DRAW 0,-15
2430 PLOT 350,280:DRAW 70,0:DRAW >ZB
4,-10:MOVE 8,0:DRAW -4,10:DRAW 0
,-80:DRAW -4,10:MOVE 8,0:DRAW -4
,-10:DRAW 400,200
2440 LOCATE 40,7:PRINT "b":LOCATE 4 >FJ
0,10:PRINT "a":LOCATE 40,14:PRINT "
a":LOCATE 53,10:PRINT "h"
2450 fo1=CHR$(24):fo2="":fo3=" >AE
2460 fo=1 >ED
2470 LOCATE #3,59,6:PRINT #3,fo1;" >YT
A=(a+b)/2;.h":fo1
2480 LOCATE #3,59,13:PRINT #3,fo2;" >QU
"A=a;.h":fo2
2490 LOCATE #3,59,18:PRINT #3,fo3;" >VB
"A=(a+b)/2":fo3
2500 IF INKEY(18)=0 THEN 2590 >XK
2510 IF INKEY(47)=0 THEN 2540 >XN
2520 IF INKEY(9)=0 THEN CLS:RETURN >DN
2530 GOTO 2500 >ME
2540 fo=fo+1:IF fo>3 THEN fo=1 >XJ
2550 ON fo GOSUB 2560,2570,2580:GOT >EP
0 2470
2560 fo1=CHR$(24):fo2="":fo3=" >JL
RETURN
2570 fo2=CHR$(24):fo1="":fo3=" >JM
RETURN
2580 fo3=CHR$(24):fo1="":fo2=" >JN
RETURN
2590 CALL 8800:CLS#1:ON fo GOSUB 2 >PD
400,2650,2690:CLS#1:GOSUB 4770:GOSU
B 4860:GOTO 2450
2600 tab1=2:tab2=2:GOSUB 4330 >XN
2610 tab1=2:tab2=6:GOSUB 4360 >XX
2620 tab1=2:tab2=10:GOSUB 4460 >YU
2630 AIRE=ROUND((col+col2)/2:1/2*haut, >YM
LOCATE #1,2,14:PRINT#1,"L'aire e
st de :":PRINT #1,aire;" cm";CHR$(2
55);" "
2640 CALL 8800:RETURN >RP
2650 tab1=2:tab2=2:GOSUB 4390 >XF
2660 tab1=2:tab2=8:GOSUB 4460 >XJ
2670 AIRE=ROUND((10:1/2*haut),4):LOCAT >DZ
E #1,2,12:PRINT#1,"L'aire est de :
":PRINT #1,aire;" cm";CHR$(255);" "
2680 CALL 8800:RETURN >RU
2690 tab1=2:tab2=2:GOSUB 4330 >XY
2700 tab1=2:tab2=8:GOSUB 4360 >XZ
2710 aey=(col+col2)/2:LOCATE #1,2,12 >YH
:PRINT#1,"La longueur a est de :":P
RINT #1,aey;" cm."
2720 CALL 8800:RETURN >RN
2730 " cercle >YE
2740 MODE 2:GOSUB 4670:GOSUB 4860 >AE
2750 DEG:PLOT 380,200:FOR FX=0 TO 3 >MD
60 STEP 10:DRAW 320+60*COS(FX),200+
60*SIN(FX):NEXT
2760 PLOT 320,200:DRAW -60,0 >NM
2770 PLOT 320,260:DRAW 80,0:DRAW >ZU
4,-10:MOVE -8,0:DRAW 4,10:DRAW 0
,-120:DRAW 4,10:MOVE -8,0:DRAW 4
,-10:DRAW 320,140
2780 LOCATE 37,13:PRINT "r":LOCATE >XK
51,13:PRINT "d"
2790 fo1=CHR$(24):fo2="":fo3=" >PJ
fo4="":fo=1
2800 LOCATE #3,59,6:PRINT #3,fo1;" >ZT
A=(r":CHR$(184);".d":CHR$(255);"/4"
:fo1
2810 LOCATE #3,59,10:PRINT #3,fo2;" >XL
"A":CHR$(184);".r":CHR$(255):fo2
2820 LOCATE #3,59,14:PRINT #3,fo3;" >F6
"A=0.785*d":CHR$(255):fo3
2830 LOCATE #3,59,18:PRINT #3,fo4;" >EL
"u":CHR$(184);".d":fo4
2840 IF INKEY(18)=0 THEN 2940 >NR
2850 IF INKEY(47)=0 THEN 2880 >NY
2860 IF INKEY(9)=0 THEN CLS:RETURN >CN
2870 GOTO 2840 >MJ
2880 fo=fo+1:IF fo>4 THEN fo=1 >XR
2890 ON fo GOSUB 2900,2910,2920,293
0:GOTO 2800
2900 fo1=CHR$(24):fo2="":fo3=" >TN
fo4="":RETURN
2910 fo2=CHR$(24):fo1="":fo3=" >TX
fo4="":RETURN
2920 fo3=CHR$(24):fo1="":fo2=" >TY
fo4="":RETURN
2930 fo4=CHR$(24):fo1="":fo2=" >TZ
fo3="":RETURN
2940 CALL 8800:CLS#1:ON fo GOSUB 2 >XK
950,2990,3020,3050:CLS#1:GOSUB 4770
:GOSUB 4860:GOTO 2790
2950 tab1=2:tab2=2:GOSUB 4540 >XA
2960 aire=ROUND((P1+d2)/2:4,4) >ZC
2970 LOCATE #1,2,6:PRINT#1,"L'aire
est de :":PRINT #1,aire;" cm";CHR$(
255);" "
2980 CALL 8800:RETURN >RX
2990 tab1=2:tab2=2:GOSUB 4480 >XH
3000 aire=ROUND((P1+r2)/2,4):LOCATE >AT
#1,2,6:PRINT#1,"L'aire est de :":P
RINT #1,aire;" cm";CHR$(255);" "
3010 CALL 8800:RETURN >RF
3020 tab1=2:tab2=2:GOSUB 4540 >XN
3030 aire=ROUND((10.785*d2)/2,4):LOC >EE
ATE #1,2,6:PRINT#1,"L'aire est de
:":PRINT #1,aire;" cm";CHR$(255);" "
"
3040 CALL 8800:RETURN >RJ
3050 tab1=2:tab2=2:GOSUB 4540 >XR
3060 perim=ROUND((P1+d2,4):LOCATE #1,2 >BQ
,6:PRINT#1,"Le perimetre est":PRINT
#1," de :":PRINT #1,per;" cm."
3070 CALL 8800:RETURN >RM
3080 " couronne >YD
3090 MODE 2:GOSUB 4670:GOSUB 4860 >AD
3100 DEG:PLOT 380,200:FOR FX=0 TO 3 >ZA
60:PLOT 320+60*COS(FX),200+60*SIN(F
X):DRAW -100:COS(FX),-100:SIN(FX):NE
XT
3110 PLOT 320,260:DRAW 80,0:DRAW >Z6
4,-10:MOVE -8,0:DRAW 4,10:DRAW 0
,-120:DRAW 4,10:MOVE -8,0:DRAW 4
,-10:DRAW 320,140
3120 PLOT 320,250:DRAW -80,0:DRAW >AM
4,-10:MOVE -8,0:DRAW 4,10:DRAW
0,-100:DRAW 4,10:MOVE -8,0:DRAW
4,-10:DRAW 320,150
3130 LOCATE 30,13:PRINT "d":LOCATE >TM
50,13:PRINT"D"
3140 LOCATE #3,59,12:PRINT #3,CHR$( >MZ
24):"A=(r":CHR$(184);"/4,10:CHR$(2
55);".d":CHR$(255);":CHR$(24)
3150 IF INKEY(18)=0 THEN 3180 >NH
3160 IF INKEY(9)=0 THEN CLS:RETURN >CP
3170 GOTO 3150 >PH
3180 CALL 8800:CLS#1:tab1=2:tab2=2 >YU
:GOSUB 4540
3190 tab1=2:tab2=6:GOSUB 4510 >XY
3200 IF d2=d1 THEN LOCATE #1,1:PR >Z6
INT CHR$(7):GOTO 3180
3210 aire=ROUND((P1+A1)*(d1^2-d2^2)/2, >FT

```




```

4)
3220 LOCATE #1,2,10:PRINT#1,"L'aire XLE
est de :":PRINT #1,aire: ca:CHR$
(255):" "
3230 CALL @B006:CLS#1:GOSUB 4770:G0
SUB 4860:GOTO 3140
3240 'secteur
3250 MODE 2:GOSUB 4670:GOSUB 4860
3260 DEG:PLOT 380,200:FOR F2=0 TO 3
60 STEP 10:DRAW 320+60*COS(F2),200+
60*SIN(F2):NEXT
3270 FOR F2=45 TO 135:PLOT 320,200:
DRAW# 60*COS(F2),60*SIN(F2):NEXT
3280 PLOT 320+60*COS(160),200+60*SI
N(160):DRAW 320+60*COS(340),200+60*
SIN(340)
3290 PLOT 320+60*COS(45),200+60*SIN
(45):DRAW 320+120*COS(45),200+120*S
IN(45)
3300 PLOT 320+80*COS(45),200+80*SIN
(45)
3310 FOR F2=45 TO 135 STEP 10:DRAW
320+80*COS(F2),200+80*SIN(F2):NEXT
3320 PLOT 320+120*COS(45),200+120*S
IN(45)
3330 FOR F2=45 TO 135 STEP 10:DRAW
320+120*COS(F2),200+120*SIN(F2):NEX
T
3340 DRAW 320+60*COS(135),200+60*SI
N(135)
3350 LOCATE 41,5:PRINT CHR$(176)
3360 LOCATE 41,8:PRINT "b"
3370 LOCATE 45,14:PRINT "d"
3380 fo2=CHR$(24):fo2s="":fo2s="":
3390 LOCATE #3,59,8:PRINT #3,fo2s:
A=(b,d)/4:fo2s
3400 LOCATE #3,59,16:PRINT #3,fo2s:
"bnd."*CHR$(184):".":CHR$(176):"/3
60:fo2s
3410 IF INKEY(18)=0 THEN 3490
3420 IF INKEY(47)=0 THEN 3450
3430 IF INKEY(9)=0 THEN CLS:RETURN
3440 GOTO 3410
3450 fo=fo+1:IF fo2 THEN fo=1
3460 ON fo TO GOSUB 3470,3480:GOTO 339
0
3470 fo2=CHR$(24):fo2s="":RETURN
3480 fo2s=CHR$(24):fo2s="":RETURN
3490 CALL @B003:CLS#1:ON fo TO GOSUB 3
480,3540:CLS#1:GOSUB 4770:GOSUB 486
0:GOTO 3380
3500 tab1=2:tab2=2:GOSUB 4540
3510 tab1=2:tab2=6:GOSUB 4420
3520 aire=ROUND((d2*arc)/4,4):LOCAT
E #1,2,10:PRINT#1,"L'aire est de :
":PRINT #1,aire: ca:CHR$(255):" "
3530 CALL @B006:RETURN
3540 tab1=2:tab2=2:GOSUB 4540
3550 tab1=2:tab2=6:GOSUB 4420
3560 arc=ROUND((d2*P1+langl)/360,4)
3570 LOCATE #1,2,10:PRINT #1,"L'arc b
a une longueur:":PRINT #1,"de :":sar
c: ca:
3570 CALL @B006:RETURN
3580 ' segment circulaire
3590 MODE 2:GOSUB 4670:GOSUB 4860
3600 DEG:PLOT 380,200:FOR F2=0 TO 3
60 STEP 5:DRAW 320+60*COS(F2),200+6
0*SIN(F2):NEXT
3610 FOR F2=30 TO 90 STEP 2:PLOT 32
0+60*COS(F2),200+60*SIN(F2):DRAW 32
0+60*COS(180-F2),200+60*SIN(180-F2)
:NEXT
3620 PLOT 320+60*COS(30),200+60*SIN
(30):DRAW 320+120*COS(30),200+120*S
IN(30)
3630 FOR F2=30 TO 150 STEP 10:DRAW
320+80*COS(F2),200+80*SIN(F2):NEXT
3640 PLOT 320+120*COS(30),200+120*S
IN(30)
3650 FOR F2=30 TO 150 STEP 10:DRAW
320+120*COS(F2),200+120*SIN(F2):NEX
T
3660 DRAW 320+60*COS(150),200+60*SI
N(150)
3670 PLOT 320+60*COS(30),200+60*SIN
(30):DRAW 0,-40:DRAW# -8,4:MOVER 0,
-8:DRAW 320+60*COS(150),
160+60*SIN(30):DRAW# 8,4:MOVER 0,-8
:DRAW# -8,4:DRAW# 0,40
3680 PLOT 380,200:DRAW 0,-80:DRAW#
UY
-8,4:MOVER 0,-8:DRAW# 8,4:DRAW# -1
20,0:DRAW# 8,4:MOVER 0,-8:DRAW# -8,
4:DRAW 260,200
3690 PRINT CHR$(23):CHR$(1):PLOT 3
40,260:DRAW 0,-30:DRAW# -2,4:MOVER
4,0:DRAW# -2,4:MOVER 0,30:DRAW# -
2,-4:MOVER 4,0:DRAW# -2,4
3700 LOCATE 39,10:PRINT CHR$(24):"h
":CHR$(124):
3710 PRINT CHR$(23):CHR$(0):
3720 LOCATE 40,13:PRINT "s":LOCATE
40,18:PRINT "d"
3730 LOCATE 41,5:PRINT CHR$(176):LO
CATE 41,8:PRINT "b"
3740 fo2=CHR$(24):fo2s="":fo2s="":
fo2s="":
3750 LOCATE #3,59,6:PRINT #3,fo2s:
A=(b,d)/4:
3760 LOCATE #3,59,7:PRINT #3," (s d
-2h)/4):fo2s
3770 LOCATE #3,59,11:PRINT #3,fo2s:
"bnd."*CHR$(184):".":CHR$(176):"/21:
"bnd."*CHR$(184):".":CHR$(176):"/21:
fo2s
3780 LOCATE #3,59,16:PRINT #3,fo2s:
"bnd."*CHR$(184):".":CHR$(176):"/21:
fo2s
3790 IF INKEY(18)=0 THEN 3880
3800 IF INKEY(47)=0 THEN 3830
3810 IF INKEY(9)=0 THEN CLS:RETURN
3820 GOTO 3790
3830 fo=fo+1:IF fo2 THEN fo=1
3840 ON fo TO GOSUB 3850,3860,3870:G0
TO 3750
3850 fo2=CHR$(24):fo2s="":fo2s="":
IF
RETURN
3860 fo2s=CHR$(24):fo2s="":fo2s="":
JD
RETURN
3870 fo2s=CHR$(24):fo2s="":fo2s="":
JR
RETURN
3880 CALL @B003:CLS#1:ON fo TO GOSUB 3
480,3970,4020:CLS#1:GOSUB 4770:GOSU
B 4860:GOTO 3740
3890 tab1=2:tab2=2:GOSUB 4540
3900 tab1=2:tab2=6:GOSUB 4420
3910 tab1=2:tab2=10:GOSUB 4460:IF h
C
aut:G2 THEN LOCATE #1,1,1:PRINT CHR
$(17):GOTO 3910
3920 tab1=2:tab2=14:GOSUB 4570
3930 aire=ROUND(((arc*d2)/4),4)
3940 aire2=ROUND(((seg*d2-2*haust)/4)
H
,4):IF aire2>aire THEN CLS#1:PRIN
T #1,fo2:fo2=1 TO 8:PRINT #1,"BOONIES
INVALIDES:":PRINT #1," RECOMMENCEZ
S.V.P.":NEXT:FOR G=1 TO 3000:NEXT:R
ETURN
3950 aire=ROUND(aire1-aire2,4):LOCA
TE #1,2,20:PRINT#1,"L'aire est de :
":PRINT #1,aire: ca:CHR$(255):" "
3960 CALL @B006:RETURN
3970 tab1=2:tab2=2:GOSUB 4540
3980 tab1=2:tab2=6:GOSUB 4420
3990 HAUT=ROUND((D2/2)*(1-COS(ANGL
/2)),4)
4000 LOCATE #1,2,10:PRINT#1,"La hau
teur est de :":PRINT #1,haut: ca:
4010 CALL @B006:RETURN
4020 tab1=2:tab2=2:GOSUB 4540
4030 tab1=2:tab2=6:GOSUB 4420
4040 SEG=ROUND((D2*SIN(ANGL/2),4):LO
CATE #1,2,10:PRINT#1,"La mesure du
":PRINT #1," segment s est de:":PRIN
T #1,seg: ca:
4050 CALL @B006:RETURN
4060 ' ellipse
4070 MODE 2:GOSUB 4670:GOSUB 4860
4080 DEG:PLOT 340,200:FOR F2=0 TO 3
60 STEP 5:DRAW 320+20*COS(F2),200+1
00*SIN(F2):NEXT

```



```

4090 PLOT 300,200:DRAW 8,4:MOV 0 /ZM
-8:DRAW -8,4:DRAW 40,0:DRAW -8,
4:MOV 0,-8:DRAW 8,4
4100 PLOT 320,300:DRAW -50,0:DRAW >PD
-4,-8:MOV 8,0:DRAW -4,8:DRAW 0
,-200:DRAW -4,8:MOV 8,0:DRAW -4
,-8:MOV -4,0:DRAW 50,0
4110 LOCATE 34,13:PRINT "0":LOCATE >TC
41,13:PRINT "0"
4120 fo1=CHR(24):fo2="" :fo1 >VY
4130 LOCATE #3,59,8:PRINT #3,fo1;" >XD
A=I.D.#:"CHR(184):"/4":fo1#
4140 LOCATE #3,59,16:PRINT #2,fo2;" >XH
"u=(D+d)/2." :CHR(184):fo2#
4150 IF INKEY(18)=0 THEN 4230 >WF
4160 IF INKEY(47)=0 THEN 4190 >WF
4170 IF INKEY(9)=0 THEN CLS:RETURN >CR
4180 GOTO 4150 >NA
4190 fo=fo1:IF fo/2 THEN fo=1 >XK
4200 ON fo GOSUB 4210,4220:GOTO 413 >BD
0
4210 fo1=CHR(24):fo2="" :RETURN >BE
4220 fo2=CHR(24):fo1="" :RETURN >BF
4230 CALL 6800:CLS#1:GOSUB 4240:CL >TQ
SW1:GOSUB 4770:GOSUB 4860:GOTO 4120

4240 tab1=2:tab2=2:GOSUB 4510 >XQ
4250 tab1=2:tab2=6:GOSUB 4540 >XZ
4260 IF d1<0 THEN PRINT CHR(7):GOTO >JY
LSW1:GOTO 4240
4270 ON fo GOSUB 4280,4300:RETURN >BC
4280 airc=ROUND((d1+d2)/4,4):LOC >BT
ATE #1,2,10:PRINT#1,"L'aire est de
:"PRINT #1,aire;" ca":CHR(255):"
."
4290 CALL 6880:RETURN >RT
4300 per=ROUND((d1+d2)/2)+PI,4):LOC >ZE
DATE #1,2,10:PRINT#1,"Le perimetre
est:"PRINT #1," de "per;" ca."
4310 CALL 6880:RETURN >RA
4320 END >YH
4330 LOCATE #1,tab1,tab2:PRINT#1,"E >XA
NTREZ LE COTE a en":PRINT#1," ca -
->":LINE INPUT#1,"",co1#
4340 co1=VAL(co1):IF co1=0 THEN LO >VF
DATE #1,1,1:PRINT#1,CHR(7):GOTO 43
30
4350 RETURN >FF
4360 LOCATE #1,tab1,tab2:PRINT#1,"E >XF
NTREZ LE COTE b en":PRINT#1," ca -
->":LINE INPUT#1,"",co2#
4370 co2=VAL(co2):IF co2=0 THEN LO >WG
DATE #1,1,1:PRINT#1,CHR(7):GOTO 43
60
4380 RETURN >FJ
4390 LOCATE #1,tab1,tab2:PRINT#1,"E >TF
NTREZ LA LONGUEUR m":PRINT#1," en c
a ->":LINE INPUT#1,"",lo1#
4400 lo1=VAL(lo1):IF lo1=0 THEN LO >WE
DATE #1,1,1:PRINT#1,CHR(7):GOTO 43
90
4410 RETURN >FC
4420 LOCATE #1,tab1,tab2:PRINT#1,"E >CX
NTREZ L'ANGLE " :CHR(176):PRINT#1,"
en DEGRES ->":LINE INPUT#1,ang1#
ang1=VAL(ang1):IF ang1=0 THEN LO
DATE #1,1,1:PRINT#1,CHR(7):GOTO 44
20
4430 RETURN >FE
4440 LOCATE #1,tab1,tab2:PRINT#1,"E >OC
NTREZ L'ANGLE " :CHR(177):PRINT#1,"
en DEGRES ->":LINE INPUT#1,ang1#
ang1=VAL(ang1):IF ang1=0 THEN LO
DATE #1,1,1:PRINT#1,CHR(7):GOTO 44
40
4450 RETURN >FG
4460 LOCATE #1,tab1,tab2:PRINT#1,"E >CV
NTREZ LA HAUTEUR":PRINT#1," en ca
->":LINE INPUT#1,haut:haut=VAL(
haut):IF haut=0 THEN LOCATE #1,1
:PRINT#1,CHR(7):GOTO 4460
4470 RETURN >FJ
4480 LOCATE #1,tab1,tab2:PRINT#1,"E >LZ
NTREZ LE RAYON r en":PRINT#1," ca
->":LINE INPUT#1,"",ra#
4490 ra=VAL(ra):IF ra=0 THEN LOCAT >NH
E #1,1,1:PRINT CHR(7):GOTO 4480
4500 RETURN >FC
4510 LOCATE #1,tab1,tab2:PRINT#1,"E >PT
NTREZ LE DIAMETRE D":PRINT#1," en c
a ->":LINE INPUT#1,"",D1#
4520 D1=VAL(D1):IF D1=0 THEN LOCAT >NF
E #1,1,1:PRINT CHR(7):GOTO 4510
4530 RETURN >FF
4540 LOCATE #1,tab1,tab2:PRINT#1,"E >PG
NTREZ LE DIAMETRE d":PRINT#1," en c
a ->":LINE INPUT#1,"",D2#
4550 D2=VAL(D2):IF D2=0 THEN LOCAT >ND
E #1,1,1:PRINT CHR(7):GOTO 4540
4560 RETURN >FJ
4570 LOCATE #1,tab1,tab2:PRINT#1,"E >YU
NTREZ LA LONGUEUR":PRINT#1," D'ARC
b en ca":PRINT #1," ->":LINE INPU
T#1,"",arc#
4580 arc=VAL(arc):IF arc=0 THEN LO >TY
DATE #1,1,1:PRINT CHR(7):GOTO 4570
4590 RETURN >GB
4600 LOCATE #1,tab1,tab2:PRINT#1,"E >RX
NTREZ LE SEGMENT s":PRINT#1," en c
a ->":LINE INPUT#1,"",seg#
4610 seg=VAL(seg):IF seg=0 THEN LO >TP
DATE #1,1,1:PRINT CHR(7):GOTO 4600

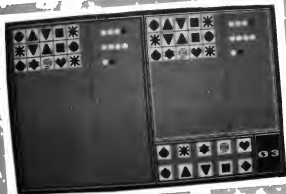
4620 IF seg<0 THEN LOCATE #1,1,1:P >AA
RINT CHR(7):GOTO 4600
4630 RETURN >FG
4640 LOCATE #1,tab1,tab2:PRINT#1,"E >DS
NTREZ L'ARE en":PRINT#1," ca":CHR
(125):" ->":LINE INPUT#1,"",aire#
4650 aire=VAL(aire):IF aire=0 THEN >AD
LOCATE #1,1,1:PRINT#1,CHR(7):GOTO
4640
4660 RETURN >FX
4670 >VF
4680 dessin contour écran >ZA
4690 >ZB
4700 MODE 2:ORIGIN 0,0:PLOT 0,0,13: >MN
DRAW 639,0:DRAW 0,399:DRAW -639,
0:DRAW 0,-399
4710 PLOT 3,3:DRAW 633,0:DRAW 0,3 >HE
93:DRAW -633,0:DRAW 0,-393
4720 PLOT 4,80:DRAW 631,0:PLOT 0, >TJ
-3:DRAW -631,0
4730 PLOT 165,3:DRAW 0,74:PLOT 3, >QZ
0:DRAW 0,-74
4740 PLOT 440,80:DRAW 0,317:PLOT >WK
-3,0:DRAW 0,-317
4750 PLOT 440,355:DRAW 194,0:PLOT >WN
0,-3:DRAW -194,0
4760 LOCATE 64,2:PRINT "FORMULES" >CD
4770 WINDOW #1,2,23,2,19:PAPER #1,1 >AK
:PEN #1,1:CLS #1
4780 LOCATE #1,3,3:PRINT#1,"CHOISIS >UF
SEZ LA BONNE"
4790 LOCATE #1,3,5:PRINT#1,"FORMULE >RE
AVEC LA"
4800 LOCATE #1,3,7:PRINT#1,"BARRER >UZ
'ESPACEMENT."
4810 LOCATE #1,3,13:PRINT#1,"CECI >UT
AIT , VALIDE?"
4820 LOCATE #1,3,15:PRINT#1,"PAR EN >JT
TER ."
4830 WINDOW #2,57,79,5,19:PAPER #2, >UA
0:PEN #2,1:CLS #2
4840 WINDOW #4,23,79,22,24:PAPER #4 >UD
0:PEN #4,1:CLS #4
4850 LOCATE 2,23:PRINT "COPY=RETOUR >IC
AU MENU":RETURN
4860 LOCATE #4,1,1:PRINT#4,"A:SURF. >QA
,SECT. a:LONG. b:LARG. r:RAYON
d:DIAM."
4870 LOCATE #4,1,3:PRINT#4,"s:EPAIS >UX
. e:DIAG. u:PERI. h:HAUT. " :CHR
(176):"i:ANGLE"
4880 RETURN >GD
4890 MODE 2:PRINT:PRINT "VALEUR EN >PH
TREE ERROREE ... UNE TOUCHE POUR RE
COMMENCER ...":CALL 6880:CALL 6880
6:PRINT CHR(7):RUN

```

LE CERVEAU

Eric AUBRY

Valable pour
X CPC 464
X CPC 664
X CPC 6128



Le Master Mind n'a plus aucun secret pour vous, et puis il y a bien longtemps que vous l'avez laissé de côté. Cela vient sans doute du fait qu'il faut être deux minimum pour y jouer... et vous êtes tout seul !

"Si seulement il existait un jeu du même genre, mais plus complexe, avec la possibilité d'y jouer seul, ça serait super chouette !" Vous avez pensé cela ? Alors c'est gagné !

Le Cerveau vous permet d'affronter un CPC impartial qui choisit au hasard parmi les dix possibles cinq formes que vous devrez découvrir et aligner dans le bon ordre en un minimum d'essais. Votre suggestion sera analysée et vous saurez combien de formes sont bien placées ou non.

Trois niveaux de jeu sont prévus (16, 12 ou 8 coups) pour pousser votre logique à son extrême limite et ainsi vous faire devenir un de nos futurs... cerveaux !

Taper les deux premiers listings : une fois lancés, ceux-ci généreront des fichiers binaires (.BIN) qui seront exploités par le programme principal sauve sous le nom de "cerveau".

LISTING 1

```

10 '
20 ' LARGEUR CARACTERE
30 '
40 '
50 DATA 01,09,50,21,E1,70,CD,01
60 DATA BC,0D,50,18,05,43,48,41
70 DATA 02,00,FE,02,CD,CD,06,B9
80 DATA 0D,46,00,21,00,3E,3E,00
90 DATA 8B,2B,09,C5,06,0B,23,10
100 DATA FD,C1,10,F7,11,D9,50,01
110 DATA 0B,00,ED,80,CD,09,B9,DD
120 DATA 7E,02,32,ES,50,CD,CC,BB
130 DATA FD,21,D9,50,06,0B,05,ES
140 DATA C5,FS,FD,CB,00,7E,CD,9B
150 DATA 50,FD,CB,00,76,CD,9B,50
160 DATA FD,CB,00,6E,CD,9B,50,FD
170 DATA CB,00,66,CD,9B,50,FD,CB
180 DATA 00,3E,CD,9B,50,FD,CB,00
190 DATA 56,CD,9B,50,FD,CB,00,4E
200 DATA CD,9B,50,FD,CB,00,46,CD
210 DATA 9B,50,F1,C1,E1,B1,2B,2B
220 DATA FS,C5,05,ES,CD,C9,BB,CD
230 DATA CC,BB,E1,B1,C1,F1,FD,23
240 DATA 10,AC,C9,2B,19,05,ES,ED
250 DATA 4B,ES,50,C5,21,00,00,11
260 DATA 01,00,CD,ED,BB,C1,0B,7B
270 DATA B1,20,F0,E1,B1,C9,05,ES
280 DATA 3E,00,CD,DE,BB,ED,4B,ES
290 DATA 50,C5,21,00,00,11,01,00
300 DATA CD,ED,BB,C1,0B,7B,B1,20
310 DATA F0,3E,01,CD,DE,BB,E1,B1
320 DATA C9,00,00,00,00,00,00,00
330 DATA 00,00,00,00,00,00
340 '
350 ' LECTURE DES DONNEES ET CREATIO
N RSX
360 '
370 MEMORY 34FFF
380 FOR I=1 TO 230:READ VA:POKE 34F
FF+I,VAL("B"+VA):T=T+VAL("B"+VA):NE
XT I
400 SAVE"CERVEAU2",B,35000,230

```

LISTING 2

```

10 A=0
20 READ A$:IF A$<"-1" THEN POKE 36 )JA
000+A,VAL("&"+A$):A=A+1:GOTO 20
30 A=0
40 READ A$:IF A$<"-1" THEN POKE 36 )HL

```




```

1740 DATA 0F,0F,0F,0F
1750 ' PION BLANC
1760 DATA 0F,0F,1E,B7
1770 DATA 7B,E1,7B,E1
1780 DATA 7B,E1,7B,E1
1790 DATA 1E,B7,0F,0F
1800 ' PION NOIR
1810 DATA 0F,0F,0E,07
1820 DATA 0B,01,0B,01
1830 DATA 0B,01,0B,01
1840 DATA 0E,07,0F,0F
1850 END
1860 DATA 0D,6E,0,0D,6E,1,22,7C,80,
0D,6E,2,2D,0D,6E,4,25,CD,1A,BC,22,7,
E,80,6,10,CS,2A,7C,80,ED,5B,7E,80,1,
4,0,ED,80,2A,7E,80,CD,2B,BC,22,7E,
80,21,4,0,ED,5B,7C,80,19,22,
1870 DATA 7C,80,C1,10,BC,C9,0D,6E,0
0D,6E,1,22,7C,80,0D,6E,2,2D,0D,6E,
4,25,CD,1A,BC,22,7E,80,6,8,CS,2A,7C,
80,ED,5B,7E,80,1,2,0,ED,80,2A,7E,80,
0,CD,2B,BC,22,7E,80,21,2,0,ED
1880 DATA 5B,7C,80,19,22,7C,80,C1,1
0,BC,C9,-1
1890 DATA 0D,6E,0,0D,6E,1,22,1C,63,
0D,6E,2,2D,0D,6E,4,25,CD,1A,BC,22,1,
E,63,6,10,CS,2A,1C,63,ED,5B,1E,63,
1,4,0,ED,80,2A,1E,63,6,8,CS,2A,1C,
63,21,4,0,ED,5B,1C,63,19,22,
1900 DATA 1C,63,C1,10,DC,C9,0D,6E,0
0D,6E,1,22,1C,63,0D,6E,2,2D,0D,6E,
4,25,CD,1A,BC,22,1E,63,6,8,CS,2A,1C,
63,ED,5B,1E,63,1,2,0,ED,80,2A,1E,6
3,CD,2B,BC,22,1E,63,21,2,0,ED
1910 DATA 5B,1C,63,19,22,1C,63,C1,1
0,DC,C9,EF,F,2D,EC,-1

```

LISTING 3

```

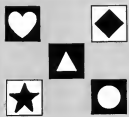
10 ***** LA
*****
20 ** LE CERVEAU LB
**
30 ** par Eric AUBRY LC
**
40 ***** LD
*****
50 GOSUB 3620 MH
60 MEMORY $AFF1:LOAD"CERVEAU",5300 QZ
0:CALL $5000
70 LOAD"CERVEAU",66000:POKE 66400,DT
1
80 FOR I=0 TO 20:READ A$:A$=VAL("B"+$BK
A$):POKE 66600+I,A$NEXT
90 DATA 0D,AE,0D,0D,4E,01,0D,5E,02,TV

```

```

0D,5E,03,0D,6E,04,0D,6E,05,ED,8B,C9
100 INK 0,0:INK 1,24:INK 2,15:INK 3 >CY
,B
110 CLEAR:PAPER 0:PEN 1:MODE 1 YR
120 LOCATE 6,13:PRINT"VOULEZ-VOUS L >CX
ES EXPLICATIONS ?"
130 A$=UPPER$(INKEY$):IF A$="" THEN RZ
GOTO 130
140 IF A$="0" THEN GOTO 2920 >UQ
150 IF A$="M" THEN GOTO 130 >UR
160 GOTO 3490 >BA
170 GOSUB 3690 >QM
180 CLS:BORDER 10 >MQ

```



```

190 WINDOW #1,2,20,24 >QB
200 WINDOW #2,22,39,2,18 >RE
210 WINDOW #3,22,35,20,24 >RD
220 WINDOW#4,37,39,20,24 >RB
230 PAPER#1,2:PAPER#2,2:PAPER#3,2 >BV
240 CLS#1:CLS#2:CLS#3:CLS#4 >MY
250 PLOT 10,386,1:DRAW 0,-376,1:DR >YX
AWR 314,0,1:DRAW 0,378,1:DRAW -31
4,0,1
260 PLOT 330,386,1:DRAW 0,-280,1:0 >DL
BWR 298,0,1:DRAW 0,282,1:DRAW -2
98,0,1
270 PLOT 330,100,1:DRAW 0,-90,1:DR >MF
AWR 234,0,1:DRAW 0,90,1:DRAW -234
,0,1
280 PLOT 570,100,1:DRAW 0,-90,1:DR >UC
AWR 58,0,1:DRAW 0,90,1:DRAW -58,0
,1
290 PLOT 192,382,3:DRAW 0,-366,3:P >BF
LOT 512,382,3:DRAW 0,-272,3
300 GOSUB 790 >HJ
310 X=336:Y=66:GOSUB 740 >TT
320 FLAGCONT=0:GOSUB 830:GOSUB 920 >CN
330 PERB=0:COUP=0:COUP=0:CHOIX=0:N >JQ
B=1
340 IF COUP=COUPMAX THEN GOTO 2670 >DZ
350 A$=INKEY$:IF A$="" THEN GOTO 35 >BC
0

```

```

360 IF A$=CHR$(#F3) THEN GOTO 430 >YF
370 IF A$=CHR$(#F2) THEN GOTO 490 >ZD
380 IF A$=CHR$(13) THEN GOSUB 550 >IT
390 IF A$=CHR$(224) THEN SOUND 1,50 >QM
0,20:CLS#1:ORIGIN 0,0:PLOT 192,382,
3:DRAW 0,-366,3:FLAGCONT=FLAGCONT
XOR 1:GOSUB 830:GOTO 1420
400 IF A$=CHR$(#F9) THEN GOSUB 2060: >UN
GOTO 2170
410 IF A$=CHR$(#F7) THEN SOUND 1,70 >RZ
0,20:GOSUB 2340 >UR
420 GOTO 340 >YK
430 IF X<528 AND Y=46 THEN GOSUB 77 >UJ
0:X=X+48:GOTO 470
440 IF X=528 AND Y=46 THEN GOSUB 77 >ZV
0:X=336:Y=Y+4:GOTO 470
450 IF X<528 AND Y=94 THEN GOSUB 77 >UE
0:X=X+48:GOTO 470
460 IF X=528 AND Y=94 THEN GOSUB 77 >PC
0:X=336:Y=46
470 GOSUB 740 >JB
480 GOTO 340 >ZF
490 IF X<336 AND Y=94 THEN GOSUB 77 >UG
0:X=X+48:GOTO 530
500 IF X=336 AND Y=94 THEN GOSUB 77 >ZM
0:X=528:Y=46:GOTO 530
510 IF X<336 AND Y=46 THEN GOSUB 77 >UM
0:X=X+48:GOTO 530
520 IF X=336 AND Y=46 THEN GOSUB 77 >NH
0:X=528:Y=94
530 GOSUB 740 >HJ
540 GOTO 340 >ZC
550 ** AFFICHAGE CHOIX JOUEUR >TA
560 IF CHOIX=5 THEN SOUND 1,250,20: >MK
CHOIX=0:COUP=COUP+1:COUP=COUP+1:G
OSUB 2250:NB=1:GOTO 990
570 IF COUP=8 THEN LOCATE #2,22,18: >XC
PRINT #2,CHR$(10):ORIGIN 0,0:PLOT 5
12,382,3:DRAW 0,-270,3:COUP=COUP-1
580 IF X=336 AND Y=46 THEN CHOIX=1 >AV
B=1:AD=66000:GOTO 680
590 IF X=584 AND Y=46 THEN CHOIX=1 >AE
B=2:AD=66040:GOTO 680
600 IF X=432 AND Y=46 THEN CHOIX=1 >AV
B=3:AD=66080:GOTO 680
610 IF X=480 AND Y=46 THEN CHOIX=1 >AM
B=4:AD=66100:GOTO 680
620 IF X=528 AND Y=46 THEN CHOIX=1 >AY
B=5:AD=66140:GOTO 680
630 IF X=336 AND Y=94 THEN CHOIX=1 >AE
B=6:AD=66180:GOTO 680
640 IF X=384 AND Y=94 THEN CHOIX=1 >AP
B=7:AD=66200:GOTO 680
650 IF X=432 AND Y=94 THEN CHOIX=1 >AX
B=8:AD=66100:GOTO 680
660 IF X=480 AND Y=94 THEN CHOIX=1 >AH
B=9:AD=66200:GOTO 680

```



```

670 IF X=528 AND Y=94 THEN CHOI11 IN >RY
81=10:AD=66240
680 CALL 66240,22*CHOI11*2,2*COUP2: >ET
AD
690 CHOI1=CHOI11+1 >AM
700 SOUND 1,100,20 >LN
710 NB=NB+1 >NE
720 RETURN >ZE
730 ** DESSIN DU CADRE SELECTION >TA
740 ORIGIN 0,0:PLOT 1,Y,3:DRAW 0,- >ET
30,3:DRAW 30,0,3:DRAW 0,30,3:DRAW
R -30,0,3
750 RETURN >ZN
760 ** EFFACEMENT DU CADRE SELECT >TD
DN
770 ORIGIN 0,0:PLOT X,Y,1:DRAW 0,- >EX
30,1:DRAW 30,0,1:DRAW 0,30,1:DRAW
R -30,0,1
780 RETURN >AA
790 ** AFFICHAGE DES FORMES >TG
800 FOR I=0 TO 4:CALL 66240,22+I*3, >YX
23,66000+I*64:NEIT
810 FOR I=0 TO 4:CALL 66240,22+I*3, >YA
20,66140+I*64:NEIT
820 RETURN >ZF
830 ** CONTOUR CHOI1JEU/CONSULTAT >TE
N
840 ORIGIN 0,0:IF FLAGCONT=1 THEN G >JO
OTO 860
850 IF FLAGCONT=0 THEN GOTO 890 >YA
860 PLOT 334,384,0:DRAW 0,-274,0: >ZB
DRAW 270,0,0:DRAW 0,274,0:DRAW -2
90,0,0
870 PLOT 14,384,1:DRAW 0,-370,1: >YV
DRAW 306,0,1:DRAW 0,370,1:DRAW -30
6,0,1
880 RETURN >AB
890 PLOT 14,384,0:DRAW 0,-370,0: >YR
DRAW 306,0,0:DRAW 0,370,0:DRAW -30
6,0,0
900 PLOT 334,384,1:DRAW 0,-274,1: >ZB
DRAW 270,0,1:DRAW 0,274,1:DRAW -2
90,0,1
910 RETURN >ZF
920 ** CHOIX ORDINATEUR >TB
930 *RANDOMIZE TIME >TC
940 FOR I=0 TO 4 >MC
950 A(I)=INT(RND*10)+1 >QT
960 POKE 66320+I,A(I) >PA
970 NEXT >FB
980 RETURN >AC
990 ** ANALYSE CHOIX JOUEUR >TJ
1000 FOR I=0 TO 4:A(I)=0:R(I)=0:N >EJ
EXT
1010 FOR I=0 TO 4 >BC
1020 IF CHOI11(I+1)=PEEK(66320+I) >XK
HEN A(I)=1:R(I)=1=2
1030 NEXT >XK
1040 IF R(1)=2 AND R(2)=2 AND R(3)= >NG
2 AND R(4)=2 AND R(5)=2 THEN GOTO 2
410
1050 J=1 >VD
1060 I=0 >VC
1070 IF R(J)=2 THEN I=0:GOSUB 1160: >XR
POKE 1070
1080 IF A(I)=1 THEN GOTO 1150 >VE
1090 IF CHOI11(J)=PEEK(66320+1) THE >YM
N GOTO 1110
1100 IF I=4 THEN GOSUB 1160:GOTO 10 >AD
60 ELSE I=I+1:GOTO 1080
1110 A(I)=1 >NE
1120 R(J)=1 >WF
1130 IF J=5 THEN GOTO 1170 ELSE J=J >CA
+1
1140 GOTO 1060 >NA
1150 IF I=4 THEN GOSUB 1160:GOTO 10 >AJ
60 ELSE I=I+1:GOTO 1080
1160 IF J=5 THEN GOTO 1170 ELSE J=J >LF
+1:RETURN
1170 I=1:J=1:AD=66320+10*COUP3 >YA
1180 IF R(I)=1 THEN POKE AD+J-1,R11 >MJ
I:GOTO 1210
1190 IF R(I)=2 THEN IF I<6 THEN I= >MU
1+1:GOTO 1180
1200 IF R(I)=0 THEN IF I<6 THEN PD >BX
KE AD+J-1,R11:GOTO 1210
1210 IF I<6 THEN J=J+1:I=I+1:GOTO >FA
1180
1220 I=1 >VB
1230 IF R(I)=2 THEN POKE AD+J-1,R11 >ML
I:GOTO 1260
1240 IF R(I)=1 THEN IF I<6 THEN I= >MJ
I+1:GOTO 1230
1250 IF R(I)=0 THEN IF I<6 THEN I= >MJ
I+1:GOTO 1230
1260 IF I<6 THEN J=J+1:I=I+1:GOTO >FB
1230
1270 J=1 >VH
1280 FOR I=0 TO 6 STEP -1 >AK
1290 POKE 66325+10*COUP3-I,CHOI11(I) >OB
I
1300 J=J+1 >JM
1310 NEXT >KS
1320 I=5:K=5 >BF
1330 JEU=PEEK(66325+(COUP3-1)*10+1) >CZ
1340 IF JEU=1 THEN AD=66280:J=1 >YT
1350 IF JEU=2 THEN AD=66290:J=2 >YB
1360 IF JEU=0 THEN J=0 >YX
1370 IF I=0 THEN GOTO 1410 ELSE I= >KL
I+1:K=K+1
1380 IF I=0 THEN K=K-1:GOTO 1330 >YX
1390 CALL 6628E,28+K,1*COUP2,AD >ZM
1400 IF I<0 THEN GOTO 1330 >YU
1410 SOUND 1,500,20:GOTO 340 >YT
1420 ** RECAPITULATIF JEU >XK
1430 IF COUP3>11 THEN COUP4=11: >XD
SURF
LUS=1 ELSE COUP4=COUP3:SURPLUS=0
1440 COUP2=COUP4:COUP1=1 >XK
1450 IF COUP2=0 THEN GOTO 1610 >XX
1460 FOR I=0 TO 4 >CB
1470 JEU=PEEK(66325+(COUP1-1)*10+1) >CC
1480 GOSUB 2810 >XS
1490 CALL 66240,(I+1)*2,COUP1*2,AD >AM
1500 NEXT >XN
1510 I=5:K=5 >BG
1520 JEU=PEEK(66325+(COUP1-1)*10+1) >CY
1530 IF JEU=1 THEN AD=66280:J=1 >YU
1540 IF JEU=2 THEN AD=66290:J=2 >YY
1550 IF JEU=0 THEN J=0 >YH
1560 IF I=0 THEN GOTO 1600 ELSE I= >KN
I+1:K=K+1
1570 IF J=0 THEN K=K-1:GOTO 1520 >YZ
1580 CALL 662DE,9+K,COUP1*2+1,AD >ZX
1590 IF I<0 THEN GOTO 1520 >XU
1600 COUP2=COUP2-1:COUP1=COUP1+1: >MU
GOTO 1450
1610 IF SURPLUS=0 THEN SOUND 1,500, >JV
20:FLAGCONT=FLAGCONT XOR 1:GOSUB B3
0:GOTO 340
1620 AS=INKEY$:IF AS="" THEN GOTO 1 >OT
620
1630 IF AS=CHR$(224) THEN SOUND 1,5 >LR
XLR
00,20:FLAGCONT=FLAGCONT XOR 1:GOSUB
830:GOTO 340
1640 IF AS=CHR$(181) THEN GOTO 1680 >AM
1650 IF AS=CHR$(180) THEN GOTO 1860 >AM
1660 IF AS=CHR$(187) THEN GOTO 2060 >ZX
1670 GOTO 1620 >MA
1680 ****** DESCENTE >YH
1690 IF COUP4=COUP3 THEN SURPLUS=0: >AG
GOTO 1620 ELSE COUP4=COUP4+1:MONTEE
=0
1700 LOCATE1,2,24:PRINT01,CHR$(10) >LU
I:PLOT 192,382,3:DRAW 0,-366,3
1710 FOR I=0 TO 4 >BK
1720 JEU=PEEK(66325+(COUP4-1)*10+1) >CD
1730 GOSUB 2810 >XE
1740 CALL 66240,(I+1)*2,22,AD >YX
1750 NEXT >LE
1760 I=5:K=5 >CD
1770 JEU=PEEK(66325+(COUP4-1)*10+1) >CJ
1780 IF JEU=1 THEN AD=66280:J=1 >YB
1790 IF JEU=2 THEN AD=66290:J=2 >YF
1800 IF JEU=0 THEN J=0 >YF

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1810 IF I=10 THEN GOTO 1850 ELSE I= >KU
I+1:K=K+1 >TK
1820 IF J=0 THEN K=K-1:GOTO 1770 >YE
1830 CALL 662DE,9+K,23,AD >TV
1840 IF I<10 THEN GOTO 1770 >JA
1850 GOTO 1620 >NM
1860 ***** MONTEE >YH
1870 IF MONTEE=1 THEN GOTO 1890 >YQ
1880 COUPS=COUP4-10 >PB
1890 IF COUP5=1 THEN GOTO 1620 ELSE >ZD
COUPS=COUP5-1:COUP4=COUP4-1:MONTEE
=1
1900 LOCATE#1,1,1:PRINT#1,CHR$(11): >RD
LOCATE#1,1,1:PRINT#1,CHR$(11):PLOT >RD
192,382,3:DRAW 0,-366,3:LOCATE#1,1 >RD
,23:PRINT#1," "
1910 FOR I=0 TO 4 >CB
1920 JEU=PEEK(66325+(COUP5-1)*10+I) >CS
1930 GOSUB 2810 >XS
1940 CALL 662AD,(I+1)*2,2,AD >UX
1950 NEXT >LS
1960 I=5:I=5 >CF
1970 JEU=PEEK(66325+(COUP5-1)*10+I) >CM
1980 IF JEU=1 THEN AD=66290:J=1 >YD
1990 IF JEU=2 THEN AD=66290:J=2 >YH
2000 IF JEU=0 THEN J=0 >YD
2010 IF I=10 THEN GOTO 2050 ELSE I= >KD
I+1:K=K+1
2020 IF J=0 THEN K=K-1:GOTO 1970 >YZ
2030 CALL 662DE,9+K,3,AD >RP
2040 IF I<10 THEN GOTO 1970 >UC
2050 GOTO 1620 >YD
2060 ***** SOLUTION >YA
2070 CLS#3 >LD
2080 LOCATE#3,1,1:PRINT#3," Vous >ER
solutions:
2090 FOR I=0 TO 4 >CB
2100 JEU=PEEK(66320+I) >QH
2110 GOSUB 2810 >MU
2120 CALL 662AD,24+(I+1)*2,2,AD >MM
2130 NEXT >KH
2140 LOCATE#3,5,5:PRINT#3,"ENTER" >EB
2150 WHILE INKEYS<>CHR$(13):NEXT >BG
2160 RETURN >FC
2170 CLS#1:LOCATE#1,2,10:PRINT#1,"V >HJ
oulez-vous refaire"
2180 LOCATE#1,4,12:PRINT#1,"une par >NE
tie ?"
2190 A=UPPER$(INKEYS) >RB
2200 IF A=" " THEN GOTO 2190 >UP
2210 IF A="0" THEN GOTO 110 >UY
2220 IF A="N" THEN MODE 2:END >MQ
2230 GOTO 2190 >MG
2240 END >YB
2250 ***** NOMBRE DE COUPS >YB
2260 SCORE=STR$(COUP3) >TK
2270 IF COUP3<10 THEN SCORE="0"+SC >KT
DREX:SCORE=LEFT$(SCORE,1)+RIGHT$(
SCORE,1)
2280 SCORE=RIGHT$(SCORE,2) >XZ
2290 ORIGIN 576,60 >MA
2300 CALL 65015,3,ASC(LEFT$(SCORE, >FJ
1))
2310 ORIGIN 602,60 >MG
2320 CALL 65015,3,ASC(RIGHT$(SCORE >GR
,1))
2330 RETURN >FB
2340 ***** CORRECTION >YB
2350 PAPER 2 >AA
2360 IF NB=1 THEN RETURN >TT
2370 NB=NB-1:CHOIX=CHOIX-1 >WV
2380 LOCATE 22+CHOIX*2,2:COUP2=PRI >KH
NT " "
2390 LOCATE 22+CHOIX*2,3:COUP2=PRI >KK
NT " "
2400 RETURN >EX
2410 ***** GAGNE >XK
2420 CLS#3:SOUND 1,400,15:SOUND 1,3 >LB
00,15:SOUND 1,200,15:SOUND 1,100,15
:SOUND 1,200,15:SOUND 1,100,15
2430 LOCATE#3,1,2:PRINT#3," EXAC >GJ
T !"
2440 FOR I=0 TO 4 >CA
2450 JEU=PEEK(66320+I) >QC
2460 GOSUB 2810 >XF
2470 CALL 662AD,24+(I+1)*2,2,AD >ME
2480 NEXT >LF
2490 WHILE INKEYS<>"":NEXT >VX
2500 CLS#1 >KK
2510 LOCATE#1,6,3:PRINT#1,"BRAVO !! >ES
!"
2520 LOCATE#1,3,6:PRINT#1,"VOUS AVE >FB
Z GAGNE "
2530 LOCATE#1,9,8:PRINT#1,"EN" >YT
2540 LOCATE#1,6,10:PRINT#1,SCORE: >MT
COUPS"
2550 LOCATE#1,2,10:PRINT#1,"Voulez- >ZB
vous voir le
2560 LOCATE#1,4,12:PRINT#1,"classes >PV
ment ?"
2570 A=UPPER$(INKEYS) >RD
2580 IF A=" " THEN GOTO 2570 >UR
2590 IF A="0" THEN GOTO 3520 >YV
2600 IF A<>"N" THEN GOTO 2570 >WA
2610 GOSUB 4340 >IC
2620 LOCATE#1,2,10:PRINT#1,"Voulez- >BA
vous refaire"
2630 LOCATE#1,4,12:PRINT#1,"une par >NE
tie ?"
2640 IF A="0" THEN GOTO 110 >UF
2650 IF A="N" THEN :MODE 2:END >XK
2660 GOTO 2640 >ND
2670 ***** PERDU >YH
2680 GOSUB 2060 >XB
2690 CLS#1 >LH
2700 PRINT#1," Domage,":PRINT#1 >FE
1
2710 PRINT#1," Vous n avez pas"P >PY
RINT#1
2720 PRINT#1,"russu à trouver la" >YJ
2730 PRINT#1," SOLUTION" >XL
2740 LOCATE#1,2,10:PRINT#1,"Voulez- >BO
vous refaire"
2750 LOCATE#1,4,12:PRINT#1,"une par >NH
tie ?"
2760 A=UPPER$(INKEYS) >RE
2770 IF A=" " THEN GOTO 2760 >UJ
2780 IF A="0" THEN GOTO 110 >UL
2790 IF A="N" THEN MODE 2:END >MD
2800 GOTO 2760 >NC
2810 ***** TRADUCTION Numero- >YD
>Adresse
2820 IF JEU=1 THEN AD=66000:RETURN >CF
2830 IF JEU=2 THEN AD=66040:RETURN >CM
2840 IF JEU=3 THEN AD=66080:RETURN >CU
2850 IF JEU=4 THEN AD=66000:RETURN >CH
2860 IF JEU=5 THEN AD=66100:RETURN >CQ
2870 IF JEU=6 THEN AD=66140:RETURN >CX
2880 IF JEU=7 THEN AD=66180:RETURN >CD
2890 IF JEU=8 THEN AD=66100:RETURN >CT
2900 IF JEU=9 THEN AD=66200:RETURN >CQ
2910 IF JEU=10 THEN AD=66240:RETURN >CA
2920 ***** EXPLICATIONS >YF
2930 MODE 2:DNK 1,0 >ML
2940 TEXT#="LE CERVEAU":FOR I=1 TO >DJ
8
2950 FOR J=1 TO LEN(TEXT#) >UP
2960 ORIGIN 300-(I+45)+J*(B+1),414- >EA
I*16
2970 CALL 65015,1,ASC(MID$(TEXT#,J, >RE
1)):SOUND 1,INT((RND(1)+1)*100),10
2980 NEXT J >WF
2990 NEXT I >WF
3000 LOCATE 32,9:PRINT"par AUBRY Er >KZ
ic"
3010 WINDOW#1,2,79,10,24:PAPER#1,1: >TA
PEN#1,0:CLS#1
3020 PRINT#1," Ce jeu est directe >LQ
ment inspiré du c(1)bre MASTER-MIND
.Sauf qu'ici nous ne jouons pas a
vec des combinaisons de couleurs ma
is de formes .L'ordinateur nous
propose de choisir parmi 10 forme
s possibles ."
3030 PRINT#1 >BC
3040 PRINT#1," Le but du jeu est >LB
de découvrir une combinaison de 5 fo

```



```

rees que l'ordinateur a choisi, et
ce le plus rapidement possible."
3050 PRINT#1 ;GE
3060 PRINT#1, " Pour faire votre ch ;ZY
oux parais les formes proposées, il
suffit de déplacer le carré de
sélection jusqu'à la forme voulue a
vec les flèches gauche et droi
te puis de la valider par la touche
'ENTER'."
3070 PRINT#1:PRINT#1, " Si jamais v ;HB
ous voulez effacer une forme précid
ement validee, appuyez sur la t
ouche 'DEL'."
3080 LOCATE#1,49,14:PRINT#1,"Presse ;TY
z 'ENTER'."
3090 INK 1,24:WHILE INKEY#>CHR$(13) ;HE
:WEND
3100 CLS#1 ;KB
3110 PRINT#1, " Lorsque vous voule ;BJ
z revoir les coups antérieurs, appu
yez sur la touche 'COPY'. Si t
ous les coups peuvent être affichés
, l'ordinateur revient auto- mat
iquement en mode jeu."
3120 PRINT#1 ;BC
3130 PRINT#1, " Si tous les coups n ;XB
e peuvent être affichés, vous pouve
z : "
3140 PRINT#1 ;GE
3150 PRINT#1, " - pressez 'C' ;BU
:CHR$(24):"; vous remontez dans l
es coups joués"
3160 PRINT#1 ;BB
3170 PRINT#1, " - pressez 'D' ;HC
:CHR$(24):"; vous descendez dans
les coups joués"
3180 PRINT#1 ;BJ
3190 PRINT#1, " - pressez 'C' ;BB
OPY' : vous revenez en mode jeu"
3200 LOCATE#1,49,14:PRINT#1,"Presse ;TR
z 'ENTER'."
3210 WHILE INKEY#>CHR$(13):WEND ;BE
3220 CLS#1 ;KC
3230 PRINT#1, " Si vous 'donnez vo ;BA
tre langue au chat', appuyez sur la
touche 'TAB'. L'or- dinateur af
fichera la solution."
3240 PRINT#1 ;BF
3250 PRINT#1, " Le nombre de coups ;LH
maximum dont vous disposez d(épend
du niveau que vous avez choisi
): "
3260 PRINT#1 ;GH
3270 PRINT#1, " ;LR
- Débutant.....16 coups"
3280 PRINT#1 ;BK
3290 PRINT#1, " ;LF
- Confirmez.....12 coups"
3300 PRINT#1 ;GC
3310 PRINT#1, " ;JY
- Expert.....08 coups"
3320 PRINT#1 ;GE
3330 PRINT#1, " Le nombre de coups ;FN
joués est en permanence affich(é da
ns le bas de l' écran."
3340 LOCATE#1,49,14:PRINT#1,"Presse ;TX
z 'ENTER'."
3350 WHILE INKEY#>CHR$(13):WEND ;BK
3360 CLS#1 ;LE
3370 PRINT#1, " Pour valider une c ;HJ
ombinaison, appuyez sur 'ENTER'."
3380 PRINT#1 ;HA
3390 PRINT#1, " L'ordinateur r(épond ;UD
à la combinaison que vous lui avez
soumis par des pions blancs et de
s pions noirs."
3400 PRINT#1 ;GD
3410 PRINT#1, " - Pion blan ;YV
c : la couleur est présente dans la
combinaison à trouver mais
elle est mal placée."
3420 PRINT#1 ;GF
3430 PRINT#1, " - Pion noir ;VX
: la couleur est présente dans la
combinaison à trouver et e
lle est bien placée."
3440 PRINT#1 ;GH
3450 PRINT#1, " ;KT
Voilà, à vous de jouer !"
3460 LOCATE#1,49,14:PRINT#1,"Presse ;TA
z 'ENTER'."
3470 WHILE INKEY#>CHR$(13):WEND ;BN
3480 MODE 1:GOTO 160 ;ND
3490 ***** NIVEAU DE JEU ;YJ
3500 CLS ;ZH
3510 LOCATE 11,2:PRINT "Quel niveau ;TR
de jeu?"
3520 LOCATE 11,4:PRINT " d(sirez-v ;FC
ous ?"
3530 LOCATE 1,10:PRINT" (1)... ;MG
.DÉBUTANT...16 coups":PRINT
3540 PRINT" (2)...CONFIRME... ;XA
12 coups":PRINT
3550 PRINT" (3)... EXPERT ... ;MC
08 coups":PRINT
3560 AS=INKEYS ;XJ
3570 IF AS<"1" OR AS>"3" THEN GOTO ;CQ
3580 ;
3580 IF AS="1" THEN COUPMAX=16 ;XK
3590 IF AS="2" THEN COUPMAX=12 ;XN
3600 IF AS="3" THEN COUPMAX=8 ;XE
3610 GOTO 170 ;FD
3620 ***** CARACTERES FRANCA ;YD
15
3630 SYMBOL AFTER 64 ;PC
3640 SYMBOL 64,660,610,678,6C,67C,6 ;BV
CC,676
3650 SYMBOL 127,66,66,63C,666,67E,6 ;BB
60,63C
3660 SYMBOL 125,660,610,63C,666,67E ;JB
,660,63C
3670 SYMBOL 91,618,624,63C,666,67E, ;HY
660,63C
3680 RETURN ;GA
3690 ***** TABLEAU DE CLASSEME ;ZA
ENT
3700 MODE 1 ;PF
3710 LOCATE 13,10:PRINT"Bonnes votr ;UC
a nous !"
3720 LOCATE 16,12:PRINT"....." ;BU
3730 J=0:B#="" ;JH
3740 LOCATE 16+J,12:PRINT CHR$(24): ;FR
";":CHR$(24)
3750 AS=UPPER$(INKEY#):IF AS="" THE ;MD
N GOTO 3750
3760 IF AS=CHR$(67F) THEN GOTO 3840 ;AH
3770 IF AS=CHR$(13) THEN GOTO 3890 ;ZV
3780 IF J=10 THEN GOTO 3750 ;UM
3790 LOCATE 16+J,12:PRINT AS ;ML
3800 J=J+1 ;FE
3810 B#B#AS ;AK
3820 IF J=10 THEN GOTO 3750 ;UQ
3830 GOTO 3740 ;MF
3840 IF J=0 THEN GOTO 3750 ;TX
3850 IF J=10 THEN GOTO 3870 ;UX
3860 LOCATE 16+J,12:PRINT"." ;MB
3870 B#B#LEFT$(B#,LEN(B#)-1) ;VJ
3880 J=J-1:GOTO 3740 ;NM
3890 B#B#B#+STRING$(10-LEN(B#),";") ;BA
3900 NOM#B# ;CA
3910 MODE 1:RETURN ;NV
3920 ***** CLASSEMENT ;YS
3930 NB=PEEK(66400):IF NB=1 THEN A# ;MH
1:GOTO 4030
3940 FOR A=1 TO NB ;LD
3950 SCORE=PEEK(66400+A*(A-1)*10:LEN ;MF
0 3960
3960 IF COUP#C<SCORE THEN INF=1:GOT ;JF
0 3980
3970 NEXT A:INF=0:GOTO 4020 ;VA
3980 INF=1:ADR=66400+A*(A-1)*10:LEN ;RZ
0 66360:ADR=1
3990 FOR I=0 TO 10 ;LG
4000 CALL 66600,66540,6656E,LENG ;ZF
4010 NEXT ;KB
4020 IF INF=0 THEN A=N# ;LB
4030 FOR I=1 TO 10 ;GF
4040 A#MID$(NOM#,1,1) ;GC
4050 POKE 66400+(1-I)*A+(A-1)*10, ;BD

```



```

ASC (A#)
4060 NEXT I
4070 MOVE 2:INK 1,0
4080 TEXT*="LE CERVEAU":FOR I=1 TO 2
4090 FOR J=1 TO LEN(TEXT#)
4100 ORIGIN 90-(I*45)+J*(8*1),250-I
4110
4120 CALL 85015,1,ASC(MID$(TEXT#,J,1)):SOUND 1,INT((RND(1)+1)*100),10
4130 ORIGIN 520-(I*45)+J*(8*1),250-I*16
4140
4150 CALL 85015,1,ASC(MID$(TEXT#,J,1)):SOUND 1,INT((RND(1)+1)*100),10
4160 NEXT J
4170 NEXT I
4180 CALL 85015,1,ASC(MID$(TEXT#,J,1)):SOUND 1,INT((RND(1)+1)*100),10
4190 ORIGIN 475+J*(8*1),202
4200 CALL 85015,1,ASC(MID$(TEXT#,J,1)):SOUND 1,INT((RND(1)+1)*100),10
4210 NEXT J
4220 TEXT*="Appuyez sur une touche"
4230 FOR J=1 TO LEN(TEXT#)
4240 ORIGIN 40+J*24,19
4250 CALL 85015,3,ASC(MID$(TEXT#,J,1)):SOUND 1,INT((RND(1)+1)*100),10
4260 NEXT J
4270 ORIGIN 0,0
4280 PLOT 199,368,1:DRAW 209,0,1:0
4290 PLOT 338,1:PLDTR 1,0,1:DRAW 0,338,1
4300 PLOT 408,30,1:DRAW -209,0,1:0
4310 PLOT 0,338,1:PLDTR -1,0,1:DRAW 0,-338,1
4320 PLOT 198,268,1:DRAW 0,20,1:PLDTR 1,0,1:DRAW 0,-20,1:PLDTR 198,38,8,1
4330 DRAW 210,0,1:DRAW 0,-20,1:PLDTR 1,0,1:DRAW 0,20,1
4340 PLOT 299,388,1:DRAW 0,-338,1:0
4350 PRINT " NOM "
4360 PLOT 303,384
4370 PRINT " NB DE COUPS "
4380 TAGOFF
4390 POKE 66400+11,COUPS
4400 FOR I=1 TO NB
4410 LOCATE 27,2+I
4420 FOR J=1 TO 10
4430 PRINT CHR$(PEEK(66400+J+(I-1)*11)):
4440 NEXT J
4450 LOCATE 44,2+I
4460 PRINT PEEK(66400+(I-1)*11)
4470 NEXT I
4480 IF INF=0 THEN LOCATE 26,2+NB E
4490 LOCATE 26,2+NB
4500 PRINT">"
4510 IF INF=0 THEN LOCATE 37,2+NB E
4520 LOCATE 37,2+NB
4530 PRINT">>>>>"
4540 IF INF=0 THEN LOCATE 47,2+NB E
4550 LOCATE 47,2+NB
4560 PRINT"<<<<<":INK 1,24
4570 WHILE INKEY=""WEND
4580 MODE 1:NB=NB+1:IF NB/20 THEN N
4590 LOCATE 7,12:PRINT"Voulez-vous refaire une partie ?"
4600 A$=UPPER$(INKEY$):IF A$="" THE
4610 GOTO 4600
4620 IF A$="D" THEN GOTO 110
4630 IF A$="N" THEN GOTO 4560
4640 MODE 2:END

```

BLUE-CARDS

Manuel DA SILVA



```

80 REM *** ** JE
81
82 REM *****>H
83
84 REM
85 MODE 0:CLEAR:CALL 86C02:PAPER 0
86 PEN 1:0:2:B*3:1=1
87 INK 0,0:INK 1,26:INK 2,4:INK 3,
88 12: BORDER 0:PAPER 0:(V$=CHR$(24))
89 CALL 88B40:POKE 880EE,8C9
90 SYMBOL AFTER 32
91 SYMBOL 110,6,6,6,6,6,102,60,0
92 SYMBOL 112,104,96,96,96,96,2
93 54,0
94 SYMBOL 117,60,102,96,96,96,96,3
95 2,28
96 SYMBOL 118,0,0,0,0,0,0,254,254
97 SYMBOL 119,254,96,96,96,96,1
98 04,120
99 SYMBOL 124,126,102,102,102,102,
100 102,102,0
101 SYMBOL 125,102,102,102,102,102,
102 102,252,252
103 SYMBOL 126,192,192,192,192,192,
104 102,60,0
105 SYMBOL 127,102,102,102,102,102,
106 108,248,0
107 SYMBOL 128,96,96,96,96,102,254,
108 254

```

```

10 REM *****>YH
11
12 REM *** **>DJ
13
14 REM *** BLUE-CARDS **>TE
15
16 REM *** **>EA
17
18 REM *** (C) 1988 NOGENT **>VK
19
20 REM *** **>EC
21
22 REM *** D.S. MANUEL **>TQ
23

```

Aurez-vous assez de mémoire visuelle pour réussir à réunir deux par deux chacune des vingt-quatre cartes en moins de 25 coups ? Essayez voir, à la rédaction, nous n'avons pas pu descendre en dessous de 27... Blue-Cards, avec des cartes comportant des dessins ou des mots, du brainstorming en perspective pour les jours de pluie.



```

254
250 SYMBOL 129,102,102,102,102,102, >HA
102,60,0
260 SYMBOL 130,108,102,102,102,102, >JV
102,226,0
270 SYMBOL 131,24,60,102,102,102,10 >JF
2,126,126
280 SYMBOL 132,252,102,102,102,102, >LM
108,124,124
290 SYMBOL 133,60,102,192,192,192,1 >LL
92,192,192
300 SYMBOL 134,248,108,102,102,102, >LM
102,102,102
310 SYMBOL 135,240,240,96,96,96,96, >FC
96,96
320 SYMBOL 136,102,102,102,102,102, >LV
102,102,102
330 SYMBOL 137,252,102,102,102,102, >LV
102,124,124
340 IS="PRESSEZ UNE TOUCHE ":Z9=19 >XE
350 CLS:TI=CHR$(132)+CHR$(135)+CHR >GO
$(136)+CHR$(119)+CHR$(118)+CHR$(133
)+CHR$(131)+CHR$(137)+CHR$(134)+CHR
$(117)
360 TI=CHR$(125)+CHR$(128)+CHR$(1 >FF
29)+CHR$(112)+*"+CHR$(126)+CHR$(12
4)+CHR$(130)+CHR$(127)+CHR$(110)
370 CLS:WINDOW1,5,16,22,25:PAPER1 >AA
,8:CLS1:PEN1,1
380 PEN1,0:PRINT1,CHR$(212):TAB(12 >NP
)CHR$(213):PRINT1:PRINT1:PRINT1
,CHR$(215):TAB(12):CHR$(214):
390 Y=23:Y1=24 >JH
400 WHILE INKEY$="" >JH
410 WHILE INKEY$="">MEND >JH
420 PEN C:LOCATE 6,Y:PRINT IV6:TI=IV >JV
%PEN B:LOCATE 6,Y1:PRINT IV6:TI=IV1
$
430 C=C+1:B=B+1:I=I+1 >JW
440 IF C>13 OR B>13 OR I>13 THEN C= >TJ
1:B=2:I=3 ELSE IF C=5 OR B=5 OR I=5
THEN C=C+1:B=B+2:I=I+1
450 IF PASS=0 THEN FOR X=1 TO 18:LD >LM
DATE 1,25+X:PRINT CHR$(11):FOR Z=1
TO 150:NEXT Z,X
460 IF I<08 THEN PEN B:LOCATE 2,24: >XJ
PRINT MID$(Z9,1,18):Z9=MID$(Z9,2):
IF LEN(Z9)<19 THEN Z9=Z9+X9
470 BORDER 1 >JH
480 FOR H=1 TO 36:MOVE 0,398-H*10: >JH
DRAW (H*1)*60,40,1:NEXT H
490 PASS=1:Y=5:Y1=6:MEND >JH
500
510 MODE 1 >JH
520 SYMBOL AFTER 32 >ME
530 DIM CARTES(24),CAR$(24),CAR1$(12 >AA
,CH(24):RED=25:ES=1
540 MODE 1:INK 0,0:INK 1,26:INK 2,4 >JR
:INK 3,12:BORDER 0:PAPER 2:IV6=CHR$(
24)
550 OUT 86000,2:OUT 86000,46:OUT 86 >VF
000,7:OUT 86000,30
560 SYMBOL 110,72,72,136,145,162,68 >HE
,72,144
570 SYMBOL 111,56,88,152,24,24,24,5 >EP
6,84
580 SYMBOL 112,48,56,92,148,20,0,1, >JH
7
590 SYMBOL 113,90,60,24,60,60,24,25 >FR
5,255
600 SYMBOL 114,0,0,1,3,5,1,128,224 >JH
610 SYMBOL 115,14,13,249,225,65,34, >ET
5,10
620 SYMBOL 116,36,20,146,202,169,14 >JH
8,76,38
630 SYMBOL 117,4,4,8,8,16,17,34,36 >AT
640 SYMBOL 118,8,17,35,71,135,11,27 >JH
,56
650 SYMBOL 119,138,138,138,10,6,2,1 >FF
93,96
660 SYMBOL 120,189,153,153,153,153, >HD
153,153
670 SYMBOL 121,82,81,80,80,96,64,12 >DA
8,0
680 SYMBOL 122,16,8,132,66,33,16,24 >JF
,12
690 SYMBOL 123,64,64,32,32,16,144,7 >JH
2,8
700 SYMBOL 124,0,0,0,0,0,1,2,2 >JH
710 SYMBOL 125,64,64,64,132,132,4,4 >JH
,4
720 SYMBOL 126,36,40,41,40,36,35,39 >JH
,106
730 SYMBOL 127,24,24,153,90,90,153, >JH
24,219
740 SYMBOL 128,36,20,148,20,36,196, >JH
106,212
750 SYMBOL 129,4,4,4,66,66,65,64,32 >JH
,64
760 SYMBOL 130,0,0,0,0,0,0,128,128 >JH
,64
770 SYMBOL 131,0,0,0,0,0,0,0,0 >JH
780 SYMBOL 132,31,32,69,65,65,65,64 >JH
,64
790 SYMBOL 133,129,96,224,33,34,2,1 >JH
29,66
800 SYMBOL 134,255,255,126,255,24,2 >JH
4,24,24
810 SYMBOL 135,129,2,7,132,68,64,12 >JH
9,66
820 SYMBOL 136,240,8,164,132,132,13 >JH
2,4,4
830 SYMBOL 137,0,0,0,0,0,0,0,0 >JH

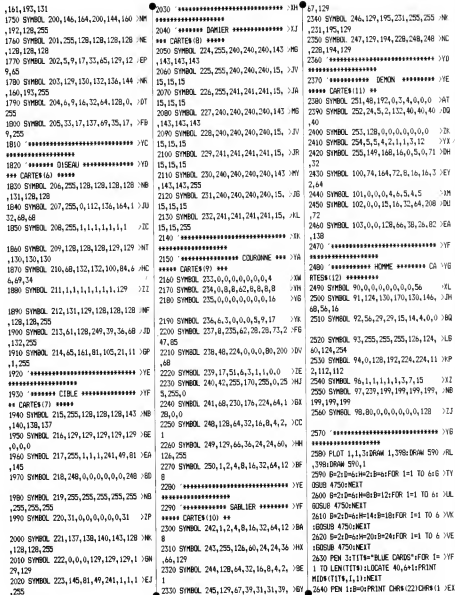
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```

840 REM                                >XJ 10*(T6,Z,1)
850 AS=CHR$(131)+CHR$(132)+CHR$(133) >AG 1160 NEXT                                >XJ
1+CHR$(134)+CHR$(135)+CHR$(136)+CHR >XJ 1170 GOSUB 4490
$(137)                                >XJ 1180 AS=UPPER$(INSTR$(1) IF AS="" THEN >GC
860 US=CHR$(124)+CHR$(125)+CHR$(126) >AF N 1180
1+CHR$(127)+CHR$(128)+CHR$(129)+CHR >GC 1190 IF AS="T" THEN CHD1=1 ELSE CH >GC
$(130)                                >GC 1200 IF AS<"T" AND AS<CHR$(13) TH >FE
870 CS=CHR$(117)+CHR$(118)+CHR$(119) >AC EN 1180
1+CHR$(120)+CHR$(121)+CHR$(122)+CHR >AF 1210 PAPER 1:FOR X=1 TO 25 >TB
$(123)                                >AF 1220 LOCATE 1,25+X:PRINT CHR$(11) >AF
880 DS=CHR$(110)+CHR$(111)+CHR$(112) >AQ 1230 FOR I=1 TO 50:NEXT Z,X >VD
1+CHR$(113)+CHR$(114)+CHR$(115)+CHR >VD 1240 PAPER 0:CLS:INF 0,0:INF 1,26:1 >VB
$(116)                                >VD 1250 OUT ABC00,2:OUT ABC00,43 : OUT >XX
890 REM                                >VD 1260 "ABC00,7:OUT ABC00,28 >VB
900 Y=10:Z=2:PAPER 1:PEN 0 >XJ M: 2,6:INF 3,2:BORDER 0 >VB
910 FOR X=2 TO 17 >EF 1250 OUT ABC00,2:OUT ABC00,43 : OUT >XX
920 LOCATE X,10:PRINT IVAS+IVS >VB ABC00,7:OUT ABC00,28 >VB
930 LOCATE X,11:PRINT IVAS+IVM >VB 1260 "***** >VB
940 LOCATE X,12:PRINT IVAS+IVM >ZE ***** >VB
950 LOCATE X,13:PRINT IVAS+IVM >ZH 1270 "***** VISAGE "PROFIL" >VC
960 FOR L=1 TO 3:LOCATE X-1,Y+L:X:P >ZH " CARTES(1) ** >VC
RINT IVS "IVS:NEXT >ZH 1280 SYMBOL 161,255,128,129,131,133 >NL
970 NEXT:PAPER 1:PEN 1 : BORDER 26 >AL ,135,132,141 >NL
980 LOCATE 1,25:PRINT IVAS+CHR$(212) >FA 1290 SYMBOL 162,255,0,176,127,158,2 >R
VH; >R 49,24,142 >R
990 LOCATE 40,25:PRINT IVAS+CHR$(213) >BQ 1300 SYMBOL 163,255,1,1,1,129,225,1 >RH
IVH; >BQ 61,145 >R
1000 FOR T=1 TO 7:LOCATE 1,25+T:PRI >PS 1310 SYMBOL 164,144,160,164,156,137 >NQ
NT CHR$(11); >PS 143,136,144 >R
1010 FOR I=1 TO 150:NEXT 1,T >VD 1320 SYMBOL 165,14,14,15,26,25,57,1 >CN
1020 LOCATE 1,1:PRINT IVS+CHR$(212) >FB ,3 >CN
VH; >FB 1330 SYMBOL 166,81,49,241,209,81,97 >NH
1030 LOCATE 40,1:PRINT IVAS+CHR$(213) >BR 1340 SYMBOL 167,152,143,129,130,129 >NA
IVH; >BR 159,225,255 >R
1040 PLOT 17,129,1:DRAW 622,129:DRA >MD 1350 SYMBOL 168,3,129,1,1,0,0,0,255 >BA
W 622,385:DRAW 17,385:DRAW 17,129:P >BA
EN 2 >BA 1360 SYMBOL 169,65,129,1,1,129,65,3 >FA
1050 PAPER 0:PEN 3 : AZI="BLUE":AZI >LV 3,255 >FA
S="CARDS" >LV 1370 "***** >VD
1060 I=3:Y=8:R=33 >LG ***** >VD
1070 FOR S=1 TO 12: SOUND 1,15+R >XA 1380 "***** FLEURS CARTES(2) >VE
***** >VE ***** >VE
1080 LOCATE X+S,Y:PRINT CHR$(32)AZI >DT 1390 SYMBOL 170,255,131,132,136,135 >NH
***** >DT 172,165,164 >NH
1090 LOCATE B+S,Y:PRINT AZI+CHR$(32) >EF 1400 SYMBOL 171,255,0,152,108,236,9 >FP
***** >EF 8,178,172 >FP
1100 SOUND 1,450-S:NEXT >RB 1410 SYMBOL 172,255,1,1,1,1,1,1 >ZU
1110 PEN 2:FOR I=1 TO 6 >PY ***** >ZU
1120 LOCATE 15,15-I:PRINT STRING$(I >HB 1420 SYMBOL 173,191,145,147,141,133 >NL
2,45) >HB 136,136,140 >NL
1130 LOCATE 15,16-I:PRINT STRING$(I >PQ 1430 SYMBOL 174,68,196,69,58,34,195 >EB
2,32):NEXT >PQ 2,2 >EB
1140 T6=" ",ENTER) ...DESSINS... (T) >VU 1440 SYMBOL 175,1,145,169,197,229,9 >XN
KTES,"+LENH(T) \2:FOR Z=1 TO LENH >VU 3,165,169 >XN
***** >VU ***** >VU
1150 PEN 3:LOCATE 20-T,Z,15:PRINT M >PL 1450 SYMBOL 176,132,133,134,148,140 >XJ
***** >PL 132,132,255 >XJ

```





```

1;
2650 FOR L=1 TO 6 :>K
2660 LOCATE 3+B,1 : PRINT L : B=B+6 :>A

2670 NEXT :>L
2680 PRINT CHR$(22)CHR$(0); :>VE
2690 B=0:FOR L=1 TO 6:LOCATE 3+B,1 :>AD
:PRINT 6+L:B=B+6:NEXT
2700 B=0:FOR L=1 TO 6:LOCATE 3+B,13 :>BD
:PRINT 12+L:B=B+6:NEXT
2710 B=0:FOR L=1 TO 6:LOCATE 3+B,19 :>CD
:PRINT 18+L:B=B+6:NEXT
2720 WINDOW#2,1,37,25,25:PAPER#2,1 :>TD
CLS#2:PEN#2,3
2730 CAR$(1)=CHR$(161)+CHR$(162)+CH :>JC
R$(163)
2740 CAR$(1)=CHR$(164)+CHR$(165)+ :>LS
CHR$(166)
2750 CAR$(1)=CHR$(167)+CHR$(168)+C :>KQ
R$(169)
2760 CAR$(2)=CHR$(170)+CHR$(171)+CH :>JB
R$(172)
2770 CAR$(2)=CHR$(173)+CHR$(174)+ :>LL
CHR$(175)
2780 CAR$(2)=CHR$(176)+CHR$(177)+CH :>KV
R$(178)
2790 CAR$(3)=CHR$(179)+CHR$(180)+CH :>JN
R$(181)
2800 CAR$(3)=CHR$(182)+CHR$(183)+ :>LF
CHR$(184)
2810 CAR$(3)=CHR$(185)+CHR$(186)+C :>KP
R$(187)
2820 CAR$(4)=CHR$(188)+CHR$(189)+CH :>JA
R$(190)
2830 CAR$(4)=CHR$(191)+CHR$(192)+ :>LK
CHR$(193)
2840 CAR$(4)=CHR$(194)+CHR$(195)+C :>KU
R$(196)
2850 CAR$(5)=CHR$(197)+CHR$(198)+CH :>JP
R$(199)
2860 CAR$(5)=CHR$(200)+CHR$(201)+ :>LF
CHR$(202)
2870 CAR$(5)=CHR$(203)+CHR$(204)+C :>JC
R$(205)
2880 CAR$(6)=CHR$(206)+CHR$(207)+CH :>JP
R$(208)
2890 CAR$(6)=CHR$(209)+CHR$(210)+ :>LZ
CHR$(211)
2900 CAR$(6)=CHR$(212)+CHR$(213)+C :>JX
R$(214)
2910 CAR$(7)=CHR$(215)+CHR$(216)+CH :>JJ
R$(217)
2920 CAR$(7)=CHR$(218)+CHR$(219)+ :>LD
CHR$(220)
2930 CAR$(7)=CHR$(221)+CHR$(222)+C :>JB
R$(223)
2940 CAR$(8)=CHR$(224)+CHR$(225)+CH :>JN
R$(226)
2950 CAR$(8)=CHR$(227)+CHR$(228)+ :>LT
CHR$(229)
2960 CAR$(8)=CHR$(230)+CHR$(231)+C :>JF
R$(232)
2970 CAR$(9)=CHR$(233)+CHR$(234)+CH :>JT
R$(235)
2980 CAR$(9)=CHR$(236)+CHR$(237)+ :>LI
CHR$(238)
2990 CAR$(9)=CHR$(239)+CHR$(240)+C :>KL
R$(241)
3000 CAR$(10)=CHR$(242)+CHR$(243)+C :>JR
R$(244)
3010 CAR$(10)=CHR$(245)+CHR$(246) :>MF
+CHR$(247)
3020 CAR$(10)=CHR$(248)+CHR$(249)+ :>KM
CHR$(250)
3030 CAR$(11)=CHR$(101)+CHR$(102)+C :>JB
R$(103)
3040 CAR$(11)=CHR$(254)+CHR$(255) :>MF
+CHR$(100)
3050 CAR$(11)=CHR$(251)+CHR$(252)+ :>KQ
CHR$(253)
3060 CAR$(12)=CHR$(90)+CHR$(91)+CH :>HQ
R$(137)
3070 CAR$(12)=CHR$(92)+CHR$(93)+C :>JZ
R$(94)
3080 CAR$(12)=CHR$(96)+CHR$(97)+CH :>HN
R$(98)
3090 IF CHOIX=1 THEN FOR Z=1 TO 24 :>KU
CAR$(Z)=STRING$(3,32):CAR$(Z)=STR1
/
N$(3,32):NEXT:
3100 IF CHOIX=1 THEN CARTE$(1)="FIN :>PB
":CARTE$(2)="PAT":CARTE$(3)="SOU":C
ARTE$(4)="MOU":CARTE$(5)="BON":CAR
TE$(6)="MAL":CARTE$(7)="GAI":CARTE$(
BI)="POU":CARTE$(9)="SON":CARTE$(10)
="TIR":CARTE$(11)="SAC":CARTE$(12)="
MAC"
3110 CARTE$(24)=CARTE$(12):CAR$(24) :>KY
=CAR$(12):CAR$(24)=CAR$(12)
3120 I=1:FOR M=13 TO 24:CAR$(M)=CAR :>KU
R$(1):CAR$(M)=CAR$(I):CARTE$(M)=CA
RTE$(I):I=I+1:NEXT
3130 REM :>LJ
3140 REM MELANGE LES CARTES :>VM
3150 :>YB
3160 CLS#2:PEN#2,2 :>MX
3170 LOCATE#2,4,2:PRINT#2,"UN HOMME :>LP
1, JE MELANGE LES CARTES."
3180 FOR S=1 TO 24 :>LY
3190 RANDOMIZE TIME :>PP
3200 CH$(S)=INT(RND*24)+1 :>TP
3210 L=1 :>VF
3220 FOR R=1 TO 5 :>FJ
3230 IF CH$(S)=CH$(R-L) THEN 3190 :>XE
3240 L=L+1 :>XS
3250 NEXT R,S :>MS
3260 PRINT CHR$(22)CHR$(0); :>VX
3270 CLS#2:PEN#2,0 :>MX
3280 PEN#2,2:LOCATE#2,2,1:PRINT#2," :>PQ
ESSAI":STRING$(-(ES)-1,"S");ES;"":(
":PEN#2,0:PRINT#2,"CARTE A RETOURN
ER :":
3290 PEN#2,2:INPUT#2,"",N :>UC
3300 N=VAL(N) :>TF
3310 IF N=1 OR N=24 THEN GOSUB 4710 :>HB
: GOTO 3270
3320 N=VAL(N): IF N=1 OR N=24 THEN :>XN
GOSUB 4710 : GOTO 3270
3330 :>YB
3340 IF N=1 THEN X=3:Y=4 :>RJ
3350 IF N=2 THEN X=9:Y=4 :>RT
3360 IF N=3 THEN X=15:Y=4 :>TM
3370 IF N=4 THEN X=21:Y=4 :>TL
3380 IF N=5 THEN X=27:Y=4 :>TV
3390 IF N=6 THEN X=33:Y=4 :>TU
3400 IF N=7 THEN X=3:Y=10 :>TE
3410 IF N=8 THEN X=9:Y=10 :>TN
3420 IF N=9 THEN X=15:Y=10 :>TJ
3430 IF N=10 THEN X=21:Y=10 :>TC
3440 IF N=11 THEN X=27:Y=10 :>TL
3450 IF N=12 THEN X=33:Y=10 :>TK
3460 IF N=13 THEN X=3:Y=16 :>UJ
3470 IF N=14 THEN X=9:Y=16 :>UT
3480 IF N=15 THEN X=15:Y=16 :>UY
3490 IF N=16 THEN X=21:Y=16 :>UX
3500 IF N=17 THEN X=27:Y=16 :>UW
3510 IF N=18 THEN X=33:Y=16 :>UV
3520 IF N=19 THEN X=3:Y=22 :>UJ
3530 IF N=20 THEN X=9:Y=22 :>UH
3540 IF N=21 THEN X=15:Y=22 :>UN
3550 IF N=22 THEN X=21:Y=22 :>UM
3560 IF N=23 THEN X=27:Y=22 :>UW
3570 IF N=24 THEN X=33:Y=22 :>UV
3580 C=CH(N) :>BH
3590 IF CARTE$(C)** THEN GOSUB 471 :>MT
0 : GOTO 3270
3600 IF N=N OR N=N THEN GOSUB 471 :>ME
0 : GOTO 3270
3610 X1=X:Y1=Y :>BE
3620 REM :>AC
3630 REM ***** AFFICHAGE DES CART :>LJ
ES *****
3640 REM :>AE
3650 PEN 1 :>GD
3660 LOCATE X,Y-1:PRINT IV$(CARTE$(C)) :>FY
V$
3670 LOCATE X,Y:PRINT IV$(CARTE$(C)) :>GG
V$
3680 LOCATE X,Y+1:PRINT IV$(CARTE$(C)) :>GJ
IV$
3690 REM :>AK
3700 REM ***** ENTRER LES CARTES :>GZ

```



```

*****
3710 REM
3720 CLS:K2:PENK2,0
3730 PENK2,3:LOCATE#2,2,1:PRINT#2,"
ESSAI";STRING#(-CS)1,"S");ES;1)+1
*1:PENK2,0:PRINT#2,"CARTE A RETOURN
ER *":PEN 2,3
3740 INPUT#2,"";NM$
3750 NM=VAL(NM$)
3760 IF NK(1 OR NK24 THEN GOSUB 47
10:GOTO 3700
3770 NM=VAL(NM$): IF NK(1 OR NK24
THEN GOSUB 4710:GOTO 3700
3780
3790 IF NM=1 THEN x=3:y=4
3800 IF NM=2 THEN x=9:y=4
3810 IF NM=3 THEN x=15:y=4
3820 IF NM=4 THEN x=21:y=4
3830 IF NM=5 THEN x=27:y=4
3840 IF NM=6 THEN x=33:y=4
3850 IF NM=7 THEN x=39:y=10
3860 IF NM=8 THEN x=9:y=10
3870 IF NM=9 THEN x=15:y=10
3880 IF NM=10 THEN x=21:y=10
3890 IF NM=11 THEN x=27:y=10
3900 IF NM=12 THEN x=33:y=10
3910 IF NM=13 THEN x=39:y=16
3920 IF NM=14 THEN x=9:y=16
3930 IF NM=15 THEN x=15:y=16
3940 IF NM=16 THEN x=21:y=16
3950 IF NM=17 THEN x=27:y=16
3960 IF NM=18 THEN x=33:y=16
3970 IF NM=19 THEN x=39:y=22
3980 IF NM=20 THEN x=9:y=22
3990 IF NM=21 THEN x=15:y=22
4000 IF NM=22 THEN x=21:y=22
4010 IF NM=23 THEN x=27:y=22
4020 IF NM=24 THEN x=33:y=22
4030
4040 CC=CHONN1
4050 IF N=NN OR NM=N THEN GOSUB 471
0:GOTO 4170
4060 IF CARTE#(CC)=" THEN GOSUB 47
10:GOTO 3700
4070 REM
4080 REM ***** AFFICHER 2EME CAR
TE *****
4090 REM
4100 PEN 1
4110 LOCATE x,y-1:PRINT IVACAR#(CC)
:IV$
4120 LOCATE x,y:PRINT IVACAR#(CC) :HC
:IV$
4130 LOCATE x,y+1:PRINT IVACAR#(CC) :HF
:IV$
4140 FOR T=1 TO 1000:NEXT
4150 IF CARTE#(C)=CARTE#(CC) THEN C
2:D
ART#(C)="":CARTE#(CC)="":SC=SC+1:E
S=ES+1:GOSUB 4570 : C=0:CC=0:N=0:NN
=0:IF SC=12 THEN 4300 ELSE 3270
4160 REM
4170 REM ***** REFERMER FENE
TRE *****
4180 REM
4190 PEN 3
4200 LOCATE x,y-1:PRINT STRING#(3,1)
:431;
4210 LOCATE x,y:PRINT STRING#(3,143)
:FE
4220 LOCATE x,y+1:PRINT STRING#(3,1)
:HV
4230 LOCATE x1,y1-1:PRINT STRING#(3)
:KY
1431;
4240 LOCATE x1,y1:PRINT STRING#(3,1)
:HD
4250 LOCATE x1,y1+1:PRINT STRING#(3)
:KY
1431;
4260 PEN 1:GOSUB 4670
4270 ES=ES+1:IF SC=12 THEN 4300
:YB
4280 N=0:NM=0:C=0:CC=0:GOTO 3270
:AY
4290 REM
4300 REM ***** FENETRE SCORE F
INAL *****
4310 REM
4320 WINDOW#3,4,34,5,13:PAPER#3,1:C
:RB
LS43:PEN#3,3
4330 a$=CHR$(150)+STRING$(29,154)+C
:KX
HR$(156)
4340 LOCATE 43,1,1:PRINT#3,a$
:YJ
4350 FOR T=1 TO 7
4360 LOCATE#1,1,1+T:PRINT#3,CHR$(14)
:ZJ
91TAB(51):CHR$(149);
4370 NEXT
4380 a$=CHR$(147)+STRING$(29,154)+C
:YF
HR$(153)
4390 LOCATE#3,1,9:PRINT#3,a$
:YD
4400 IF REC/ES THEN REC/ES
:VN
4410 LOCATE#3,11,3:PRINT#3,"RESULTA
TS:"
4420 LOCATE 43,4,5:PRINT#3,"RECORD
:";REC/ES
4430 LOCATE 43,4,7:PRINT#3,"UNE AUT
RE PARTIE (0/N) "CHR$(143)
4440 R$=UPPER(INKEY$):IF R$="" THEN
:HK
N 4440
4450 IF R$="D" THEN CLS:SC=0:ES=1:G
:JM
OTO 540
4460 IF R$="N" THEN CALL 0
:RV
4470 IF R$="O" OR R$="N" THEN 444
:AE
0
4480 REM
4490 REM ***** NOTIF SONDRE I
NTRD *****
4500 REM
4510 SOUND 1,239,150,5,2:SOUND 2,23
:ND
9,50,5,2:SOUND 2,190,100,5,2:SOUND
4,239,100,5,2:SOUND 4,159,50,5,2
4520 SOUND 1,239,100,5,2:SOUND 2,17
:HE
9,100,5,2:SOUND 4,142,100,5,2
4530 SOUND 1,239,100,5,2:SOUND 2,19
:GT
0,100,5,2:SOUND 4,95,100,5,2
4540 SOUND 1,190,100,5,2:SOUND 2,11
:GJ
9,100,5,2:SOUND 4,80,100,5,2
4550 RETURN
4560 REM
4570 REM ***** NOTIF SONDRE TR
OUVE *****
4580 REM
4590 ENV 2,10,1,1,7,-1,5,1,0,20
4600 ENT 1,30,1,1,1,-30,5,30,1,1,1,
-30,5,30,1,1
4610 ENT 4,10,-1,1,30,1,1,10,6,2
:IM
4620 FOR SON=1 TO 2
:HV
4630 SOUND 1,119,100,4,2,1:SOUND 2,
NM
95,100,4,2,1:SOUND 4,80,100,4,2,1
4640 NEXT
4650 RETURN
4660 REM
4670 REM ***** REPOS
E FAUSSE *****
4680 REM
4690 SOUND 1,110,10,5:SOUND 1,100,1
:YU
0,5:SOUND 1,90,10,5:SOUND 1,180,10,
5:SOUND 1,70,10,5:SOUND 1,60,10,5:5
OUND 1,50,10,5:SOUND 1,40,10,5
4700 RETURN
4710 REM
4720 REM ***** ERRE
UR *****
4730 SOUND 1,10,10,5:SOUND 1,20,10,
:YU
5:SOUND 1,170,10,5
4740 RETURN
4750 LI$=CHR$(150)+STRING$(3,154)+C
:LA
HR$(156)
4760 LI1$=CHR$(147)+STRING$(3,154)+C
:LF
CHR$(153)
4770 REM
4780 REM ***** FENETRES PAG
E JEU *****
4790 REM
4800 WINDOW#1,6,0,H,8:PAPER#1,3:CLS
:PT
#1:PEN#1,0
4810 PRINT#1,LI$CHR$(149):TAB(5):CHR$
(149):CHR$(149):TAB(5):CHR$(149):CHR$
(149):TAB(5):CHR$(149):LI1$;
4820 B=0+2:D=B+4
:GD
4830 RETURN
4840 REM ***** FIN DU LIST
ING *****

```

COULMELO

JEU DES MELANGES DE COULEURS

Jean REINGOT

Si vous savez ce que vous obtenez en mélangeant du rouge avec du bleu, ou du bleu avec du jaune ou encore du jaune avec du rouge : c'est que le mélange des couleurs n'a plus aucun secret pour vous.

Pourtant, ce qui vous est proposé ici n'est pas aussi simple et vous trouverez certainement qu'à partir du niveau cinq, c'est de moins en moins évident.

L'auteur a jugé bon d'avertir les utilisateurs que la vision des couleurs est assez différente selon les individus. Il peut donc être utile dans certains cas de modifier les couleurs de base (bleu et jaune).



```

10 ***** >LA
****
20 *** COULMELO >LB
***
30 *** Jean Reingot >LC
***
40 *** Version 464.664.6128 >LD
***
50 *** Novembre 1987 >LE
***
60 *** DALTONIENS S'ABSTENIR >LF
***
70 ***** >LG
****
80 *** INITIALISATIONS >LH
***
90 ***** >LI
****
100 CLS
110 WINDOW#1,2,38,17,24
120 WINDOW#2,30,39,21,24
130 WINDOW#3,31,37,18,18
140 t=0:sc=0
150 ENV 1,1,15,6,15,-1,8
160 ENV 2,1,15,5,5,-1,10,10,-1,5
170 DIM #$(2,48),11$(2,5),12$(2,5)
180 INK 0,0:BORDER 0:PAPER 0
190 PRINT CHR$(22)+CHR$(1)
200 INK 1,6:INK 2,2:INK 3,24
210 FOR i=1 TO 3
220 c$(i)=CHR$(15)+CHR$(1)
230 p$(1,1)=c$(1)+CHR$(143)
240 p$(2,1)=c$(1)+CHR$(207)
250 NEXT
260 FOR i=1 TO 2:FOR j=1 TO 3
270 11$(i,j)=p$(1,j)+p$(1,j)
280 12$(i,j)=11$(i,j)+11$(i,j)
290 13$(i,j)=11$(i,j)+p$(1,j)
300 NEXT:NEXT
310 FOR i=1 TO 2
320 p$(i,4)=p$(i,1)
330 p$(i,5)=p$(i,2)
340 11$(i,4)=11$(i,1)
350 11$(i,5)=11$(i,2)
360 12$(i,4)=12$(i,1)
370 12$(i,5)=12$(i,2)
380 13$(i,4)=13$(i,1)
390 13$(i,5)=13$(i,2)
400 NEXT
410 GOSUB 1760:GOSUB 2930
420 CLS:GOSUB 2860
430 ***** >RH
****
440 *** MENU >RJ
***
450 ***** >RK
****
460 LOCATE 4,4:PRINT"il faut trouve
r les deux plaques"
470 LOCATE 4,5:PRINT"qui en s'addit
ionnant donneront"
480 LOCATE 4,6:PRINT"le modele." >DH
490 LOCATE 4,9:PRINT"il suffit de t
>FL
aper la lettre"
500 LOCATE 4,10:PRINT"de la plaque
>NT
choisie."
510 PEN 3:LOCATE 10,13:PRINT "Nivea
>NT
u 1 Facile"
520 LOCATE 10,14:PRINT "Niveau 2
>CD
Plus difficile"
530 LOCATE 10,15:PRINT "Niveau 3
>EC
Assez difficile"
540 LOCATE 10,16:PRINT "Niveau 4
>VD
Difficile"
550 LOCATE 10,17:PRINT "Niveau 5
>KD
Dur"
560 LOCATE 10,18:PRINT "Niveau 6
>CB
Pour champions"
570 LOCATE 10,19:PRINT "Niveau 7
>MR
Casse-tête"
580 LOCATE 10,20:PRINT "Niveau 8
>TD
Super-as"
590 PEN 2:LOCATE 12,22:PRINT "Votre
>XF
choix (1 a 8)
600 r$=INKEY$:IF r$="" THEN 600 >XF
610 r=VAL(r$):IF r<1 OR r>8 THEN PR
>YK
INT CHR$(7)+BOTO 600
620 CLS:DIM r GOSUB 670,890,1110,132
>YV
0,1540,1760,1980,2200
630 GOSUB 2860:GOSUB 2870:GOSUB 242
>QC
0:GOSUB 2460
640 ***** >TA
****
650 *** FIGURES NIVEAU 1 >TB

```



```

***
660 '***** >TC
****
670 FOR i=1 TO 2 >NB
680 FOR j=1 TO 4: f(i,j)=12*(i,j)+N >EE
EXT
690 FOR j=5 TO 8: f(i,j)=12*(i,j)+N >EQ
EXT
700 FOR j=9 TO 12: f(i,j)=12*(i,j)+N >FT
NEXT
710 FOR j=13 TO 16: f(i,j)=12*(i,j)+N >GY
NEXT
720 FOR j=17 TO 20: f(i,j)=12*(i,j)+N >HB
NEXT
730 FOR j=21 TO 24: f(i,j)=12*(i,j)+N >IH
NEXT
740 FOR j=25 TO 28: f(i,j)=12*(i,j)+N >JL
NEXT
750 FOR j=29 TO 32: f(i,j)=12*(i,j)+N >KB
NEXT
760 FOR j=33 TO 36: f(i,j)=12*(i,j)+N >LD
NEXT
770 FOR j=37 TO 40: f(i,j)=12*(i,j)+N >ME
NEXT
780 FOR j=41 TO 44: f(i,j)=12*(i,j)+N >NH
NEXT
790 FOR j=45 TO 48: f(i,j)=12*(i,j)+N >OF
NEXT
800 FOR j=49 TO 52: f(i,j)=12*(i,j)+N >PH
NEXT
810 FOR j=53 TO 56: f(i,j)=12*(i,j)+N >RJ
NEXT
820 FOR j=57 TO 60: f(i,j)=12*(i,j)+N >SH
NEXT
830 FOR j=61 TO 64: f(i,j)=12*(i,j)+N >TH
NEXT
840 NEXT >EH
850 RETURN >JF
860 '***** >TE
****
870 '*** FIGURES NIVEAU 2 >TF
***
880 '***** >TG
****
890 FOR i=1 TO 2: FOR j=0 TO 2 >UD
900 f(i,j)=12*(i,j)+N >CC
2)
910 f(i,j)=12*(i,j)+N >DE
2)
920 f(i,j)=12*(i,j)+N >GJ
3)
930 f(i,j)=12*(i,j)+N >JL
3)
940 f(i,j)=12*(i,j)+N >OV
2)
950 f(i,j)=12*(i,j)+N >OX
2)
960 f(i,j)=12*(i,j)+N >DA
1)
970 f(i,j)=12*(i,j)+N >DC
1)
980 f(i,j)=12*(i,j)+N >DE
2)
990 f(i,j)=12*(i,j)+N >DE
2)
1000 f(i,j)=12*(i,j)+N >EY
j+3)
1010 f(i,j)=12*(i,j)+N >EA
j+3)
1020 f(i,j)=12*(i,j)+N >EY
j+3)
1030 f(i,j)=12*(i,j)+N >EY
j+3)
1040 f(i,j)=12*(i,j)+N >EY
j+3)
1050 f(i,j)=12*(i,j)+N >EY
j+3)
1060 NEXT: NEXT >HF
1070 RETURN >FB
1080 '***** >YB
****
1090 '*** FIGURES NIVEAU 3 >YC
**
1100 '***** >YE
****
1110 FOR i=1 TO 2 >BC
1120 FOR j=1 TO 4: STEP 3: f(i,j)=12*(i,j)+N >MF
4)
1130 FOR j=5 TO 8: STEP 3: f(i,j)=12*(i,j)+N >MP
4)
1140 FOR j=9 TO 12: STEP 3: f(i,j)=12*(i,j)+N >NJ
2)
1150 FOR j=13 TO 16: f(i,j)=12*(i,j)+N >FD
NEXT
1160 FOR j=17 TO 20: f(i,j)=12*(i,j)+N >FQ
NEXT
1170 FOR j=21 TO 24: f(i,j)=12*(i,j)+N >HC
j: NEXT
1180 FOR j=25 TO 28: f(i,j)=12*(i,j)+N >AR
+12*(i,j)+N >NEXT
1190 FOR j=29 TO 32: f(i,j)=12*(i,j)+N >AR
+12*(i,j)+N >NEXT
1200 FOR j=33 TO 36: f(i,j)=12*(i,j)+N >AK
+12*(i,j)+N >NEXT
1210 FOR j=37 TO 40: f(i,j)=12*(i,j)+N >PY
12*(i,j)+N >NEXT
1220 FOR j=41 TO 44: f(i,j)=12*(i,j)+N >PC
12*(i,j)+N >NEXT
1230 FOR j=45 TO 48: f(i,j)=12*(i,j)+N >PG
12*(i,j)+N >NEXT
1240 FOR j=49 TO 52: f(i,j)=12*(i,j)+N >JE
+12*(i,j)+N >NEXT
1250 FOR j=53 TO 56: f(i,j)=12*(i,j)+N >JF
+12*(i,j)+N >NEXT
1260 FOR j=57 TO 60: f(i,j)=12*(i,j)+N >JR
+12*(i,j)+N >NEXT
1270 NEXT >XL
1280 RETURN >FE
1290 '***** >YE
****
1300 '*** FIGURES NIVEAU 4 >XG
***
1310 '***** >XH
****
1320 FOR i=1 TO 2: FOR j=0 TO 2 >YK
1330 f(i,j)=12*(i,j)+N >YF
2)
1340 f(i,j)=12*(i,j)+N >YA
2)
1350 f(i,j)=12*(i,j)+N >YB
2)
1360 f(i,j)=12*(i,j)+N >YD
2)
1370 f(i,j)=12*(i,j)+N >YE
2)
1380 f(i,j)=12*(i,j)+N >YF
2)
1390 f(i,j)=12*(i,j)+N >YF
2)
1400 f(i,j)=12*(i,j)+N >PY
2)
1410 f(i,j)=12*(i,j)+N >DV
2)
1420 f(i,j)=12*(i,j)+N >FB
2)
1430 f(i,j)=12*(i,j)+N >PD
2)
1440 f(i,j)=12*(i,j)+N >OD
3)
1450 f(i,j)=12*(i,j)+N >DC
2)
1460 f(i,j)=12*(i,j)+N >PK
3)
1470 f(i,j)=12*(i,j)+N >PM
3)
1480 f(i,j)=12*(i,j)+N >OZ
1)
1490 NEXT: NEXT >LC
1500 RETURN >XE
1510 '***** >XK
****
1520 '*** FIGURES NIVEAU 5 >YA
***
1530 '***** >YB
****
1540 FOR i=1 TO 2: FOR j=0 TO 2 >YF
1550 f(i,j)=12*(i,j)+N >YK
2)
1560 f(i,j)=12*(i,j)+N >NE
2)
1570 f(i,j)=12*(i,j)+N >NG
2)
1580 f(i,j)=12*(i,j)+N >NJ
1)
1590 f(i,j)=12*(i,j)+N >VL

```



```

1600 #f(1,14+j*4)=p#(1,j+1)+13#(1,j) >DU
+2)
1610 #f(1,15+j*4)=13#(1,j+2)+p#(1,j) >DY
+3)
1620 #f(1,16+j*4)=12#(1,j+3) >YK
1630 #f(1,25+j*4)=11#(1,j+1)+p#(1,j) >PD
+2)+p#(1,j+3)
1640 #f(1,26+j*4)=p#(1,j+1)+11#(1,j) >PF
+2)+p#(1,j+3)
1650 #f(1,27+j*4)=11#(1,j+2)+11#(1,j) >EL
j+3)
1660 #f(1,28+j*4)=13#(1,j+3)+p#(1,j) >DG
+1)
1670 #f(1,37+j*4)=p#(1,j+1)+11#(1,j) >PL
+2)+p#(1,j+3)
1680 #f(1,38+j*4)=11#(1,j+2)+11#(1,j) >ER
j+3)
1690 #f(1,39+j*4)=p#(1,j+2)+11#(1,j) >PG
+3)+p#(1,j+1)
1700 #f(1,40+j*4)=p#(1,j+2)+p#(1,j) >PY
3)+11#(1,j+1)
1710 NEXT:NEXT >HH
1720 RETURN >FD
1730 ***** >YD
****
1740 *** FIGURES NIVEAU 6 >YE
***
1750 ***** >YF
****
1760 FOR i=1 TO 2:FOR j=0 TO 2 >YU
1770 #f(1,1+j*4)=11#(1,j+1)+11#(1,j) >OT
+2)
1780 #f(1,2+j*4)=p#(1,j+2)+p#(1,j+1) >YK
j+p#(1,j+3)+p#(1,j+2)
1790 #f(1,3+j*4)=11#(1,j+2)+11#(1,j) >DZ
+3)
1800 #f(1,4+j*4)=p#(1,j+2)+11#(1,j) >MD
3)+p#(1,j+1)
1810 #f(1,13+j*4)=p#(1,j+1)+p#(1,j) >PA
2)+11#(1,j+3)
1820 #f(1,14+j*4)=p#(1,j+1)+11#(1,j) >PC
+2)+p#(1,j+3)
1830 #f(1,15+j*4)=11#(1,j+1)+p#(1,j) >QW
j+2)+p#(1,j+3)
1840 #f(1,16+j*4)=p#(1,j+2)+p#(1,j) >PS
1)+11#(1,j+3)
1850 #f(1,25+j*4)=p#(1,j+1)+13#(1,j) >DO
+2)
1860 #f(1,26+j*4)=11#(1,j+1)+p#(1,j) >PK
+2)+p#(1,j+3)
1870 #f(1,27+j*4)=p#(1,j+1)+p#(1,j) >PM
2)+11#(1,j+3)
1880 #f(1,28+j*4)=13#(1,j+2)+p#(1,j) >DM
+3)
1890 #f(1,37+j*4)=13#(1,j+1)+p#(1,j) >DL
+2)
1900 #f(1,38+j*4)=p#(1,j+2)+p#(1,j) >PS
1)+11#(1,j+3)
1)+11#(1,j+2)
1910 #f(1,39+j*4)=11#(1,j+2)+p#(1,j) >PL
+3)+p#(1,j+2)
1920 #f(1,40+j*4)=p#(1,j+2)+13#(1,j) >DA
+3)
1930 NEXT:NEXT >LB
1940 RETURN >FH
1950 ***** >YH
****
1960 *** FIGURES NIVEAU 7 >YJ
***
1970 ***** >YK
****
1980 FOR i=1 TO 2:FOR j=0 TO 2 >YV
1990 #f(1,1+j*4)=p#(1,j+1)+p#(1,j+2) >VL
j+p#(1,j+1)+p#(1,j+3)
2000 #f(1,2+j*4)=p#(1,j+2)+p#(1,j+1) >YU
j+p#(1,j+3)+p#(1,j+1)
2010 #f(1,3+j*4)=p#(1,j+1)+p#(1,j+2) >YH
j+p#(1,j+1)+p#(1,j+3)
2020 #f(1,4+j*4)=p#(1,j+2)+p#(1,j+1) >YV
j+p#(1,j+3)+p#(1,j+1)
2030 #f(1,13+j*4)=p#(1,j+1)+p#(1,j) >ZE
3)+p#(1,j+1)+p#(1,j+2)
2040 #f(1,14+j*4)=p#(1,j+3)+p#(1,j) >ZS
1)+p#(1,j+2)+p#(1,j+1)
2050 #f(1,15+j*4)=p#(1,j+1)+p#(1,j) >ZJ
3)+p#(1,j+1)+p#(1,j+2)
2060 #f(1,16+j*4)=p#(1,j+3)+p#(1,j) >ZL
1)+p#(1,j+2)+p#(1,j+1)
2070 #f(1,25+j*4)=p#(1,j+1)+p#(1,j) >ZL
2)+p#(1,j+1)+p#(1,j+2)
2080 #f(1,26+j*4)=p#(1,j+2)+p#(1,j) >ZN
1)+p#(1,j+2)+p#(1,j+1)
2090 #f(1,27+j*4)=p#(1,j+1)+p#(1,j) >ZT
3)+p#(1,j+1)+p#(1,j+3)
2100 #f(1,28+j*4)=p#(1,j+3)+p#(1,j) >ZK
1)+p#(1,j+3)+p#(1,j+1)
2110 #f(1,37+j*4)=p#(1,j+1)+p#(1,j) >ZL
3)+p#(1,j+1)+p#(1,j+3)
2120 #f(1,38+j*4)=p#(1,j+3)+p#(1,j) >ZN
1)+p#(1,j+3)+p#(1,j+1)
2130 #f(1,39+j*4)=p#(1,j+1)+p#(1,j) >ZN
2)+p#(1,j+1)+p#(1,j+2)
2140 #f(1,40+j*4)=p#(1,j+2)+p#(1,j) >ZF
1)+p#(1,j+2)+p#(1,j+1)
2150 NEXT:NEXT >YB
2160 RETURN >FC
2170 ***** >YC
****
2180 *** FIGURES NIVEAU 8 >YD
***
2190 ***** >YE
****
2200 FOR i=1 TO 2:FOR j=0 TO 2 >YH
2210 #f(1,1+j*4)=p#(1,j+1)+p#(1,j+3) >YH
1)+11#(1,j+1)+p#(1,j+2)
2220 #f(1,2+j*4)=p#(1,j+2)+p#(1,j+1) >YJ
1)+p#(1,j+3)+p#(1,j+1)
2240 #f(1,4+j*4)=p#(1,j+1)+p#(1,j+3) >YE
1)+p#(1,j+2)+p#(1,j+3)
2250 #f(1,13+j*4)=p#(1,j+1)+p#(1,j) >ZJ
2)+p#(1,j+1)+p#(1,j+3)
2260 #f(1,14+j*4)=p#(1,j+2)+p#(1,j) >ZM
3)+p#(1,j+2)+p#(1,j+1)
2270 #f(1,15+j*4)=p#(1,j+3)+p#(1,j) >ZQ
1)+p#(1,j+3)+p#(1,j+2)
2280 #f(1,16+j*4)=p#(1,j+1)+p#(1,j) >ZQ
3)+p#(1,j+2)+p#(1,j+1)
2290 #f(1,25+j*4)=p#(1,j+3)+p#(1,j) >ZR
1)+p#(1,j+2)+p#(1,j+1)
2300 #f(1,26+j*4)=p#(1,j+1)+p#(1,j) >ZK
2)+p#(1,j+3)+p#(1,j+2)
2310 #f(1,27+j*4)=p#(1,j+3)+p#(1,j) >ZN
1)+p#(1,j+2)+p#(1,j+3)
2320 #f(1,28+j*4)=p#(1,j+2)+p#(1,j) >ZP
3)+p#(1,j+1)+p#(1,j+2)
2330 #f(1,37+j*4)=p#(1,j+3)+p#(1,j) >ZQ
2)+p#(1,j+1)+p#(1,j+2)
2340 #f(1,38+j*4)=p#(1,j+2)+p#(1,j) >ZT
1)+p#(1,j+2)+p#(1,j+3)
2350 #f(1,39+j*4)=p#(1,j+3)+p#(1,j) >ZN
2)+p#(1,j+3)+p#(1,j+1)
2360 #f(1,40+j*4)=p#(1,j+1)+p#(1,j) >ZN
3)+p#(1,j+1)+p#(1,j+3)
2370 NEXT:NEXT >LA
2380 RETURN >YB
2390 ***** >YF
****
2400 *** AFFICHAGE FIGURES >XJ
***
2410 ***** >XK
****
2420 BORDER 10+r:FOR i=0 TO 5:FOR j >XM
=1 TO 4:LOCATE 4+i*6,1+2:PRINT #f(1,j+i*6):PEN 1:LOCATE 3+i*6,4:PRINT CHR$(65+1):LOCATE 3+i*6,5:PRINT CHR$(243):NEXT:SOUND 1,120-i*5,10,15,1:NEXT
2430 FOR i=0 TO 5:FOR j=1 TO 4:LOCATE 4+i*6,6+r:PRINT #f(1,j+i*4)+240:PEN 1:LOCATE 3+i*6,9:PRINT CHR$(71+i):LOCATE 3+i*6,10:PRINT CHR$(243):NEXT:SOUND 1,75-i*5,10,15,1:NEXT
2440 PAPER=3,3:PEN=3,2:CLS: >XD
2450 RETURN >FE
2460 LOCATE 4,14:PRINT*MODELE >YX
VOTRE DESSIN*
2470 PEN 2:LOCATE 30,15:PRINT *Nive >LT
au*:r
2480 LOCATE 2,1,1:PRINT#2,"Score: 0 >YH
*

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2490 LOCATE#2,1,3:PRINT#2," Sur: 0 >ED
"
2500 IF t=S THEN t=0:sc=0:SOUND 1,6 >EV
0,20,15,1:SOUND 1,47,20,15,1:SOUND
1,40,30,15,1:FOR tt=0 TO 500:NEXT:t
070 420
2510 ***** >YA
*****
2520 '*** AFFICHAGE MODELE >YB
***
2530 ***** >YC
*****
2540 H1=INT(RND*(2)+1) >YD
2550 t=t+1:RANDOMIZE TIME >YE
2560 H2=INT(RND*(2)+1):IF H2=H1 THEN >GB
2560
2570 PRINT#1, CHR$(22)+CHR$(1) >YF
2580 FOR i=1 TO 4:LOCATE#1,4,i:PRIN >YF
1#1,1#(1,0#1+4-i):LOCATE#1,4,i:P
RINT#1,1#(2,0#2+4-i):NEXT:i:SOUND
1,63,40,15,1
2590 ***** >YJ
*****
2600 '*** REPONSE ET AFFICHAGE >YA
***
2610 ***** >YB
*****
2620 FOR i=1 TO 2 >YB
2630 r#(i)=INKEY$:IF r#(i)="" THEN >YB
2630
2640 R#(i)=UPPER$(r#(i)) >YD
2650 IF r#(i)("&" OR r#(i)("\") THEN >AG
N PRINT CHR$(7):GOTO 2630
2660 GOSUB 2890 >YF
2670 PEN#1,2:LOCATE#1,18,1:2:PRINT# >YF
1,r#(i)
2680 NEXT >YH
2690 LOCATE#1,6,7:PRINT#1,"Confirmez >YH
z 0/N"
2700 r#="INKEY$":IF r#="" THEN 2700 >YH
2710 r#="UPPER$(r#)":IF r#="0" THEN 2 >YH
750
2720 PRINT CHR$(22)+CHR$(0) >YB
2730 IF r#="" THEN SOUND 1,200,120 >EQ
,15,1:PEN#1,0:FOR i=1 TO 2:LOCATE#1
,18,1:2:PRINT#1,CHR$(143):NEXT:i:LOCA
TE#1,6,7:PRINT#1,STR$(63+13,143):GO
TO 2620
2740 PEN#1,2:PRINT CHR$(22)+CHR$(1) >YF
2750 a1=ASC(r#(1))-64:a2=ASC(r#(2)) >YF
-a4
2760 FOR i=1 TO 4:LOCATE#1,20,i:PRI >YH
NT#1,1#(1,a1+0)-4+i):LOCATE#1,20,i
:PRINT#1,1#(2,a2+0)-4+i):NEXT
2770 LOCATE#2,7,3:PRINT#2,t >YJ
2780 PRINT#1,CHR$(22)+CHR$(0) >YJ
2790 IF (a1=1 AND a2=2) OR (a2=1 A >YJ
ND a1=2) THEN 2800 ELSE GOTO 2810
2800 SOUND 1,80,20,15,1:SOUND 1,60, >YF
15,15,1:LOCATE #3,2,1:PRINT#3,"JUST
E":sc=sc+1:LOCATE#2,7,1:PRINT#2,sc:
LOCATE#1,2,7:PRINT#1,"Appuyez sur 1
a barre":CALL 68818:CLS#1:CLS#3:GOT
O 2500
2810 GOSUB 2880 >YB
2820 SOUND 1,400,40,15,,7:LOCATE # >YB
3,2,1:PRINT#3,"Faux":PEN#1,3:LOCATE
#1,2,2:PRINT#1,CHR$(64+h1):LOCATE#1
,2,4:PRINT#1,CHR$(64+h2):PEN#1,1:LO
DATE#1,2,7:PRINT#1,"Appuyez sur la
barre":CALL 68818:CLS#1:CLS#3:GOTO
2500
2830 ***** >YF
****
2840 '*** DESSIN CADRES >YB
***
2850 ***** >YH
*****
2860 PLOT 0,0,1:DRAW 639,0:DRAW 639 >YH
,399:DRAW 0,399:DRAW 0,0:PLOT 2,2:0
RAW 637,2:DRAW 637,397:DRAW 2,397:0
RAW 2,2:RETURN
2870 PLOT 0,220:DRAW 639,220:PLOT 0 >YH
,222:DRAW 639,222:RETURN
2880 PLOT 30,78,3:DRAW 50,78:DRAW 5 >YH
0,130:DRAW 30,130:DRAW 30,78:RETURN
2890 PLOT 286,78,3:DRAW 306,78:DRAW >YH
306,130:DRAW 286,130:DRAW 286,78:R
ETURN
2900 ***** >YD
****
2910 '*** PRESENTATION >YF
2920 ***** >YF
****
2930 FOR i=1 TO 37 STEP 4 >YF
2940 FOR j=1 TO 24 STEP 1 >YD
2950 LOCATE i,j:PRINT #1(1,j) MOD 12 >YD
+1)
2960 SOUND 1,INT(RND*8)+5+60,5,10,1 >YD
2970 NEXT:j:NEXT
2980 FOR i=1 TO 37 STEP 4 >YD
2990 FOR j=1 TO 24 STEP 1 >YD
3000 LOCATE 1,j:PRINT #1(2,j+12) >YD
3010 NEXT:j:INK 1,INT(RND*25)+1:INK 2 >YD
,INT(RND*25)+1:INK 3,INT(RND*25)+1:
SOUND 1,INT(RND*8)+5+120,5,15,1:NEXT
j
3020 q#(1)="111011010101000111101 >YD
110100011"
3030 q#(2)="100010101010100010101 >YD
0001000101"
3040 q#(3)="100010101010100010101 >YD
1001000101"
3050 q#(4)="100010101010100010101 >YD
0001000101"
3060 q#(5)="1110110111011101010101 >YD
110111011"
3070 INK 0,0:INK 1,1:INK 2,20:INK 3 >YD
,15
3080 FOR i=1 TO 5:FOR j=1 TO 33:IF >YD
M10(q#(i),j,1)="" THEN PEN 0:LOCA
TE 3+j,10+i:PRINT CHR$(143):SOUND 1
,400,5,15,2:SOUND 1,0,10,0,0
3090 NEXT:j:NEXT
3100 FOR i=1 TO 30:INK 1,INT(RND*26) >YD
+1:INK 2,INT(RND*26):INK 3,INT(RND*2
6):SOUND 1,800,5,15,1:SOUND 1,0,10,
15:NEXT
3110 INK 0,0:INK 1,6:INK 2,11:INK 3 >YD
,24
3120 LOCATE 7,20:PRINT "JEU DES MEL >YH
ANGES DE COULEURS"
3130 FOR tt=0 TO 5000:NEXT >YH
3140 ***** >YA
****
3150 '*** EXPLICATIONS >YB
***
3160 ***** >YC
****
3170 CLS:BORDER 13:PEN 1:GOSUB 2860 >YH
:LOCATE 2,3:PRINT"Les couleurs se m
elangent:"
3180 p#(1,4)=p#(1,1):p#(2,4)=p#(2,1) >YH
+1)
3190 FOR k=0 TO 2:FOR i=1 TO 4:FOR >YH
j=1 TO 4:LOCATE 13+i,5+j+k*6:PRINT p
#(1,k+1):NEXT:j:NEXT:i:NEXT
3200 FOR k=0 TO 2:FOR i=1 TO 4:FOR >YH
j=1 TO 4:LOCATE 13+i,5+j+k*6:PRINT
p#(1,k+1):NEXT:j:NEXT:i:NEXT
3210 FOR k=0 TO 2:FOR i=1 TO 4:FOR >YH
j=1 TO 4:LOCATE 13+i,5+j+k*6:PRINT
p#(1,k+1) >YH
LOCATE 21+i,5+j+k*6:PRIN
T p#(2,k+2):NEXT:i:NEXT:j:NEXT
3220 FOR i=0 TO 2:LOCATE 11,7+i*6:P >YH
RINT "":NEXT
3230 FOR i=0 TO 2:LOCATE 19,7+i*6:P >YH
RINT "":NEXT
3240 PEN 2:LOCATE 27,6:PRINT"rouge" >YH
bleu":LOCATE 31,8:PRINT"violet":LO
CATE 37,12:PRINT"bleu+jaune":LOCAT
E 31,14:PRINT"vert":LOCATE 27,18:PR
INT"jaune+rouge":LOCATE 31,20:PRIN
T"orange"
3250 LOCATE 2,25:PRINT "Appuyez sur >YH
une touche"
3260 CALL 68818:CLS:RETURN >YH

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